

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: Brian Short <ke7gh@primenet.com>
Subject: [9586] 38s Rcvr Mod?
Message-ID: <01BC08C3.C5CE2E40@ip21-164.phx.primenet.com>

I ordered my 38s a bit late and obviously it is not here, but I continue planning for the arrival. I have been trying to follow and keep up with all the mod info and other suggestions.

Anyway, I think someone mentioned a way to enhance the receiver filtering (not that I beleive it is inadequate). I have seen lots of comments about going to 5w, but have not heard about receiver enhancements. Seems funny for this bunch?

Is there a mod to improve receiver selectivity? Is it at all needed?

73, Brian ke7gh@primenet.com

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: jlarsen@alascom.att.com
Subject: [9680] AL7FS - FSFD - Alaska - 1/25/97 - extension past 0300Z
Message-ID: <9700238540.AA854058918@mailrouter.alascom.att.com>

Greetings QRP-Lers,

I just talked with Dan, KL7Y, and he says I can stay past 0300Z. If there is anything going on, I will stay later than 0300Z.

I do this only because K5F0, Chuck, says he will tape Babylon V and Star Trek, take out the ads and FedEx it to me.
(Chuck...don't really do that. My daughter, Juliann, WL7MP, will tape it for me.) I can actually operate to 0400Z and still make the 60 minute drive home in time for B5.

73,
Jim
AL7FS

KL7Y may be operating the 160 mtr contest. He will be QRO between 1825 and 1835 if he is on. And I do mean QRO.

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997

From: Mark Arvidson <vonowski@sound.net>
Subject: [9664] ANT: NEC4WIN Vert modelling & rambling
Message-ID: <32E7B870.39B8@sound.net>

Howdy, howdy! (tm)

In perparation for the NC38S which should be racing to my door soon, I downloaded NEC4WIN and started modelling possible antennae for my QTH.

First, I plugged in the basketball goal (mounted on a 15' steel pole) and power/cable/phone lines running through my back yard. I didn't model my chain-link fence because I wasn't quite sure how to do that...Things at that level didn't seem to make a great deal of difference anyway.

Then, I plugged in a 30m dipole running from my goal pole to a tree. That would put it about 15' off the ground. I got better SWR as I moved the end of the dipole toward the BB post. This NVIS layout reflected much of my signal upward.

Just for curiosity, I took that out and put in a 1.5" dia. aluminum pole about 23.7' tall. I stuck this in the middle of my yard. NEC gives me better SWR across the band and a MUCH lower take-off angle (28 deg). I get about 1.4:1 to a 50 ohm coax.

My question (finally) is this: I decided to try modelling the feedpoint 2" underground so I could just have a pole sticking up in the yard. That didn't work well (900+ SWR). I then put the feedpoint above ground, and discovered better matching (higher resistance). I can get 1.07:1 through the band with the feedpoint at 8' 3" from the ground. Why is that? Is this always the case with 1/4 wave verts?

BTW, I'm using average ground, 0 height.

Also, if you're still with me, is EZNEC better than NEC4WIN? How much is it, and where can I get it?

Mark Arvidson
KB0SPQ
(gonna get general next month)

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: Larry Gagnon <lgg@ampolexusa.com>
Subject: [9681] Backpacker Tuner design required
Message-ID: <1.5.4.32.19970123233412.00672a80@webster.ampolexusa.com>

I'm relatively new to QRP and also to this list so a big hello to all. I am looking for a good, as small as possible QRP antenna tuner for backpacking - something that can tune a balanced line. The EZ-match has been recommended. If you think it is appropriate can someone point me to a reference, or any other reference for tuners that would fit the bill.

I look forward to any responses. Thanks and 73,s...Larry VE6TN/W0

Larry G. Gagnon, Senior Explorationist,
Ampolex USA Inc. 1050-17th st Suite 2500, Denver CO 80265 USA
tel 1-303-595-9000 fax 1-303-595-0110 email lgg@ampolexusa.com

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: Dave Fifield <fifield@pacbell.net>
Subject: [9626] Best Keyer for Contests?
Message-ID: <32E71FDA.78F7@pacbell.net>

I'm sure this subject has been covered before, so please email me directly with replies unless you feel they are of general interest to the list.

I'm in the market for a high quality memory keyer for contest work. If you have a particular favorite keyer you use for contest work or have thoughts on the pros and cons of the various models available I'd be glad to hear from you. I'd like to make an informed buy.

Thanks es 72 de Dave Fifield, KQ6FR

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: "Jeff M. Gold" <JMG@tntech.edu>
Subject: [9638] Cascade 4 sale, maybe
Message-ID: <01IEJPPDYGKI8WXX5X@tntech.edu>

I have a built and running Cascade with both bands.

I am considering ordering another kit.. and may have to sell.
Price \$185 shipped US.

let me know if you are interested.

72

Jeff, AC4HF

From owner-qrp-l@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [9677] Clarification on tuner purchase
Message-ID: <Pine.3.89.9701231521.D1676-0100000@w3eax.umd.edu>

Basically, the driving factor in the delay is (unavoidable) the illness in Jennifer's family; she's been out of town and will be back at some point in the near future.

The fact that the QRP enclosures haven't arrived at LDG yet is not an issue (yet).

Your patience is appreciated - might I add that my tuners are delayed as well...

P.S. if someone is willing to buy just 13 more AT-11s, the discount goes up to 20%, saving everyone another \$7.50!!! :)

Of course, my life will be over at this point...

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 138 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** 145.490- 147.225+ PL 156.7 *

From owner-qrp-l@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: Peter Barville <peter@barville.demon.co.uk>
Subject: [9661] Contest Calendar
Message-ID: <JDkKHPAU945yEwYk@barville.demon.co.uk>

As some of you may be aware, I have recently taken over the role of Communications Manager for the G-QRP Club.

I am trying to establish who now looks after the AGCW QRP contests, and so (if you know) I wonder if you would be so kind as to let me know the details. I believe the position may have recently 'changed hands'.

I will do my best to publish QRP contests (hopefully at the beginning of each year) in Sprat, and shall be grateful if other QRP organisations will please let me have the information about their contests as soon as possible.

72

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Peter G3XJS

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: gsurrency@juno.com (Gary L Surrency)
Subject: [9608] Cuba on the Net?
Message-ID: <19970122.210741.9982.2.gsurrency@juno.com>

Nils,

The Cuban stations have excuses for their peculiar signals:

The Bermuda Triangles include them, and Fidel is still in power.

If you ever get to Tampa, try the Columbia Restaurant in Ybor City for some real good Cuban quisine. Or, just check out a real nice Cuban sandwich from the Silver Ring Restaurant. Not a very fancy place, but their sandwiches have won Best of Tampa many times. Wish I could get a real "Cuban" here in Phoenix!

I had lots of pleasant QSOs on 40m when I was a Novice in Florida many years ago. Just had to tolerate the un-intended QSYing that was ever present. It made me a better op. Think lots of 'em were using old WWII ARC-5s. Maybe they still are. ;-)

How 'bout it? Anyone from Cuba on this list? Does the Internet reach down there?

vy 72,

Gary Surrency AB7MY
S&S TAC-1(40&80m) and ARK30
QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: faunt@netcom.com (Doug Faunt N6TQS +1-510-655-8604)

Subject: [9592] Energizer AA Lithium cells
Message-ID: <199701230132.RAA27899@netcom5.netcom.com>

Finding these for \$4.17 for two at my local Home Depot reminded me that I asked for, and eventually received the technical information about these cells from Eveready.

In short, they're always lighter than alkaline cells, and they hold their voltage longer and they last much longer at low temperatures, but at at normal temperatures and lower currents, such as 30ma, they won't provide any more power. At higher current draws, they can provide significantly more power. So, for your RX, they're probably not useful, but for your flashlight, HT or TX, they're great. The fact that they hold their voltage for longer may be significant in some applications and they also have twice the shelf life of alkalines.

I suggest that others ask for the information, and maybe your interpretation may differ from mine.

73, doug

From owner-qrp-l@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: ed.welch@cheaha.com (ED WELCH)
Subject: [9617] entry level, etc.,...
Message-ID: <8D09596.0004001C1D.uuout@cheaha.com>

-> I, as KM1H, operate a lot of QRP 160m THRU 10GHz and have Honor Roll
-> cfmd with QRP. I care about the genre otherwise I would not be here
-> exposing myself.

-> All I am asking is to up the ante to some contemporay level in
-> general. There will always be room for entry level but it should not
-> predominate.

I'm a rank new-comer to amateur radio. Having gone from Tech+ in July to General in December I have a lot of fresh memories of "getting my ticket" and being in the entry-level group (which I still consider myself in).

The "entry level...should not predominate". Well, I took my lumps, I studied and practiced and studied and practiced and so on until I felt that I was good enough to pass the tests. Then I got "cocky". I had passed the tests and if I could pass the test anybody else could...right? Wrong mentality. (Thank you Joe H. for the reality check.)

We all know that the bands are being eyeballed by greedy, greasy-palmed entrepreneurs seeking quick buck\$ from the use of the radio spectrum. It's a fact, hard and cold. They could care less what happens to the group that pioneered the airwaves. Safety in numbers is the only thing we have going for us. With a large population using the amateur bands politicians will be less inclined to "offend" the populace. But, should our numbers lessen and our hobby weaken we will surely feel the knife as it cuts out chunks of our ham bands.

So, how do we get more hams...on HF? Lessen the code requirements. Make the code more appealing. Give the techs, novices, and tech+'s a piece of the pie on all bands. If you give a no-code the "right" to enter a CW-band and maybe even a HF phone band then something might just click with them and they might just start trying their hand at CW.

Very recently I remember listening to West and Ziliak as they drove the code into my feeble brain. And I remember the computer programs where I'd copy the letters and canned qso's. And I finally managed to learn enough to feel confident enough to take the test. I thought I'd have a heart-attack when I heard that series of V's coming at me....suddenly my hands turned into a sweaty mess. But, I passed. I came home and cautiously got on 40m CW. I made contacts. I made more contacts. I tried harder to keep up with the faster senders. More contacts. I tried to get the protocol down pat. I worked my tail off trying to send *good* code...not fast code. And I made more contacts. With each contact my concentration and energy was at it's maximum level....many more times intense than when I was listening to tapes. My code speed increased and I suddenly realized that I was *enjoying* CW!!! The fact that I was *communicating* made all the difference in the world. I learned much quicker.

Thus, maybe we ought to step back and reaccess our positions. Maybe we ought to lighten the code requirements for the "entry-level". Give a small portion of the bands to the Tech's so they can "learn" CW in an environment that gives them immediate encouragement and reward. Create a desire to learn CW in them. Listening to tapes and computer programs ain't fun, I'll be the first to say that. But communicating with someone (even at 3wpm) on the other side of the state, continent, or world can be very exciting for a newcomer. It is for me.

Should the entry-level ops predominate??? At this point in the scheme of things I'd say yes....we should encourage all that we can. For the sake of a hobby that I've newly come to hold dear to me and to the hobby that has become part of many of your lives we need the new blood. We need it badly. We need to get the elmer back in ham radio and welcome any and all to the hobby with helping hand....otherwise, the oarsmen of the gallion will tire and age and no new oarsmen will be there to take their place....and the ship will be dead at sea.

FWIW...it's late, I'm tire, I'm delirious, there's a badger under my bed....good nite.

72/73

Ed Welch KF4KRV

QRP-L #873

Luverne, Alabama

Crenshaw County - Grid EM61

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+-----+
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----
+-----+
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> Isn't "time" a 4-letter word? <

From owner-qrp-l@Lehigh.EDU Thu Jan 23 18:01:10 1997

From: Larry Jones <ljones@flash.net>

Subject: [9629] Eudora Light

Message-ID: <199701231110.FAA29706@endeavor>

Greetings Gang...

This is to Jim, K5ROV.

First, I tried to send this direct and it bounced. So I am sending it to you via the reflector.

Second, yes, there is a way of deleting text. First use your mouse and place the cursor at the beginning of the text you want to delete. Press the left button and hold it down. Then drag the mouse down your pad and Eudora will block out text in reverse color. When you have blocked out what you want, just hit the delete key. You can do the same thing by blocking out the unwanted text and then going to the edit menu and selecting "CUT". This will delete the blocked out text and save it into a buffer. You can later paste it back in if it is needed. Hope this helps...

72/73 & God Bless...

dee-it dee-it

Larry Jones N50SG <><
4028 Random Circle
Garland Tx 75043-3250

NORTEX	QRP-ARCI	G-QRP	MI-QRP	CQC	NorCal
NE-QRP	QRP-L	ARRL	NTMS	CSVHFS	
EM12QU	96.62 W LONG	32.87 N LAT			

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: Owen Quarles <k1oj@swbell.net>
Subject: [9591] Fall ARCI Contest Results (LONG)
Message-ID: <32E6BDA6.5634@swbell.net>

Howdy from Texas!

For those of you who don't have WWW access, here are the ARCI FALL QSO PARTY results. =

Great job by all and I hope the Ca boys find some bullets for those big guns.....

K10J--OJ--QRPL-732

(prev. wa1yia)

Houston, Tx.

QRP ARCI FALL 1996 QSO PARTY RESULTS =

State	Call	Score	Points	S/P/Cs	Power	Bands
	Time					
TX	W5NN	"1,002,932"	1204 119 5	A-6	17.5	
PR	KP3S	"839,664"	1071 112 5	A-4	18.5	
TX	K5ZTY	"828,604"	1172 101 5	A-5	23.5	
CT	KH6CP	"737,583"	1133 93 4.7	A-4	24	
OH	NZ8J	"730,442"	1122 93 4	A-5	16	
MN	WA0RPI	"659,680"	992 95 5	A-5	17	
CO	K0FRP	"649,508"	1091 84 5	A-4	11	
NC	AE4IC	"626,080"	1040 86 5	A-4	15	
NJ	N2CQ	"617,050"	1025 86 5	A-4	16.5	
VP9	N4BP	"612,955"	1055 83 5	H-2	14.3	
VA	N4ROA	"591,766"	983 86 5	A-3	16.5	
OR	AA7KF	"588,060"	594 66 0.25	A-3	15	
NC	AA4XX	"576,000"	640 60 0.25	A-3	19.4	
CO	K0FX	"572,964"	1077 76 4	A-3	13	
TX	WA1YIA	"566,475"	975 83 5	A-5	18	
GA	AE4CA	"529,200"	840 90 5	A-5	18	
WY	AE0Q	"506,345"	851 85 5	A-4	22.5	
PA	K3WWP	"462,434"	986 67 5	A-6	17.5	
OH	W8MVN	"455,896"	1163 56 4	40M	19	
IN	WD9CTB	"433,490"	647 67 0.9	A-3	14	
NM	K5AM	"424,004"	797 76 5	A-4	8	
WV	WF8X	"399,399"	741 77 5	A-4	12.5	
NY	K2LGJ	"390,600"	630 62 0.9	A-3	12	
CO	KF7MD	"389,400"	590 66 0.9	A-4	11	
ME	KC1DI	"324,576"	828 56 4	L-3	15	

LA	AC5AM	"319,140"	591	54	0.95	L-2	20
IL	N9HH	"316,470"	685	66	5	A-4	18
IN	WB9PXR	"304,325"	925	41	5	40M	14
IL	W9PNE	"288,750"	350	55	20MW	A-3	14
NJ	KB2JE	"243,908"	562	62	4	A-3	12
MD	W3ERU	"235,956"	636	53	4	L-2	16
GA	KN4QV	"225,792"	504	64	5	A-3	5
MO	KQ4VH	"223,325"	709	45	5	40M	24
OK	KJ5MG	"188,384"	464	58	5	A-2	19
MD	K3TKS	"185,400"	412	45	0.9	L-2	11.5
RI	WA10FT	"175,357"	611	41	5	L-2	16
AZ	W5VB0	"173,964"	436	57	5	A-3	17.5
MI	W9NIP	"164,780"	428	55	5	A-3	8
ID	W7CNL	"160,524"	468	49	3	20M	14
CO	W00Q	"154,000"	400	55	4	A-3	8.5
BC	VE7CA	"153,216"	456	48	3	A-2	?
NJ	K2JT	"152,516"	419	52	5	A-4	?
NH	AA1MI	"150,822"	399	54	5	A-4	15.5
PA	W3DP	"147,693"	541	39	4	L-2	10
MO	K0LWV	"145,908"	386	54	5	A-3	15
IA	KF0N	"137,550"	393	50	5	A-2	7
PA	W3TS	"135,660"	266	34	0.25	A-3	3
VA	K3SS	"126,224"	392	46	5	A-3	12
MO	W0GWT	"118,800"	220	36	0.25	A-3	18
GA	N40LN	"113,600"	355	32	0.5	L-2	?
MI	N8CQA	"111,475"	325	49	2	A-3	10
LA	W5TVW	"110,950"	317	50	4	A-3	?
CA	N6GA	"108,400"	271	40	0.9	A-3	6
AZ	N7JXS	"106,428"	362	42	4.5	A-2	14
CA	K6QWH	"105,336"	342	44	5	A-2	10
TX	AB5WB	"105,154"	406	37	4	A-2	?
MI	WB8APR	"103,320"	360	41	5	A-2	11
VA	WA4CHQ	"103,240"	356	29	0.75	40M	19
OK	K5UP	"102,564"	396	37	5	40M	14
NJ	N2TNN	"98,196"	334	42	4.5	A-4	15
VA	AE4EW	"97,944"	318	44	5	A-3	12
PA	N3IUT	"95,760"	304	45	5	A-4	19
MI	WA8RXI	"95,718"	318	43	5	A-2	11
MD	W03B	"89,175"	205	29	0.2	L-2	5
MI	K8CV	"88,837"	343	37	2	L-2	6
NY	K2UD	"86,681"	427	29	5	40M	18
PA	NE3I	"76,685"	313	35	5	A-2	4
GA	WD4DSS	"76,636"	322	34	4.5	20M	13.5
OH	WA8HQ0	"72,891"	267	39	5	A-4	?
NY	W2QYA	"72,020"	277	26	0.9	A-3	14
PAN	HP1AC	"71,253"	261	39	5	A-3	7
ND	WE0Q	"70,756"	266	38	3	A-2	4
AL	AB4QL	"70,620"	214	33	0.9	A-3	6

PA	W3DQU	"67,620"	345	28	4	40M	12.5
NY	KB2TEO	"67,592"	284	34	5	A-2	6
PA	WA3SRE	"66,660"	303	22	0.95	80M	14
NFD	VO1DRB	"65,205"	345	27	5	20M	12
CT	KA10X	"64,008"	254	36	5	A-3	16.5
NJ	N2YVF	"63,525"	363	25	5	40M	8
SC	WA2UAX	"62,720"	280	32	5	40M	6.5
CO	N0IBT	"61,985"	235	35	5	A-3	14
AL	K4KJP	"61,236"	243	36	5	A-3	6
IN	N9DD	"59,400"	198	30	0.95	L-2	6
NC	AE4EC	"55,440"	240	33	4	A-3	12
TX	WA5DWX	"55,146"	202	39	5	A-4	?
WI	W9CBE	"54,236"	298	26	5	A-3	6
ON	VA3SB	"54,150"	285	19	0.95	40M	7.5
MI	WB8NYV	"52,440"	228	23	1	40M	5
WI	WA9PWP	"51,660"	205	36	5	A-3	4
OH	KB8GAE	"49,476"	228	31	5	A-3	3
RI	WA1YLN	"48,608"	224	31	5	A-3	6.5
TX	KD5KP	"47,936"	214	32	5	A-2	11
MO	KC0M	"47,600"	200	34	5	L-2	4.5
OH	NE0C	"46,886"	197	34	4	A-4	10.5
OR	WX7R	"46,438"	214	31	4	A-3	5
NM	AB5OU	"46,368"	207	32	5	A-2	4
KY	KE4LIA	"45,668"	233	28	2.5	40M	?
FL	K3PBY	"45,458"	191	34	5	A-2	5
KY	KR4KL	"43,904"	196	32	5	A-3	4
PA	WA3YON	"43,848"	261	24	5	L-2	5
MD	WA3EOP	"41,132"	226	26	4	A-3	4
MAN	VE4AKI	"40,180"	205	28	4.5	A-3	5
AB	VE6BIR	"38,430"	183	30	3	A-2	3
PA	K3NVI	"37,611"	199	27	5	A-3	9
NC	AD4ZE	"35,119"	173	29	3	A-4	5.5
PA	AA3GM	"34,104"	174	28	5	A-4	6
NJ	K2HPV	"33,040"	236	20	2	40M	6
KY	W9FHA	"32,319"	171	27	5	A-2	4
OR	W7LNG	"31,618"	162	27	5	A-3	4
CO	N0TBM	"31,465"	145	31	5	A-3	4
MD	W6TOY/3	"30,940"	221	20	5	80M	4
AZ	W7BXZ	"30,464"	136	32	4	20M	7.5
WA	KL7NS	"28,826"	142	29	4	A-3	14
CT	N1RCG	"28,728"	152	27	3	A-3	8
IN	K8LEN	"26,980"	142	19	1	40M	1
OH	WA3PAK	"25,872"	154	24	5	A-2	9
PA	N3LAZ	"25,200"	280	20	1.5	20M	12
AR	KJ5TF	"24,080"	172	20	1.3	40M	10
IL	KB9IUA	"23,562"	153	22	5	40M	7
BC	VE7BLU	"21,252"	132	23	4	20M	12
OH	KF8EE	"19,418"	146	19	5	80M	6

NH	W1FMR	"19,110"	130	21	2.4	A-2	4
MA	AA1MR	"17,640"	98	12	0.1	40M	10
MO	N0OCT	"15,770"	83	19	1	A-3	1
TX	WB5FKC	"15,190"	155	14	5	40M	?
NJ	KE2XA	"13,650"	135	15	2	40M	8.5
PA	KW3U	"13,580"	97	20	5	A-3	2
GA	KE2WB	"13,440"	84	16	0.9	A-3	2
AZ	AA7QY	"11,760"	112	15	3	A-2	5
QUE	VE2BLX	"11,340"	90	18	3	40M	14
UT	WA0YSE	"10,976"	98	16	4	20M	6
NJ	W2JEK	"10,948"	92	17	2	A-3	2.5
NY	W2PTF	"10,556"	116	13	4	160M	8
PA	WB3GCK	"10,304"	92	16	3	A-2	4
NY	WJ2V	"10,192"	112	13	2.5	80M	3.5
AR	N9ZZ	"9,180"	51	12	0.2	A-3	4
ID	KF7ET	"8,730"	92	10	0.9	40M	11
YS	YS1ZRB	"8,636"	193	36	5	H-3	10
FL	KT4QV	"8,288"	74	16	5	20M	4
SC	KS4DU	"8,099"	89	13	5	A-2	2
CA	W1HIJ	"7,918"	214	37	10	A-2	10
AB	VE6ZAA	"7,154"	73	14	4	A-2	2.5
NJ	N2MNN	"6,160"	56	11	0.95	40M	1.5
NJ	KB2WI	"5,775"	75	11	5	L-2	?
NJ	N2SMH	"5,740"	82	10	2	40M	3
AL	AE4JM	"5,628"	67	12	2	40M	1.5
IL	W9CUN	"5,313"	69	11	4	40M	2.5
HI	WB6FZH	"4,032"	36	16	5	A-2	6
AL	W4DGH	"3,520"	56	9	4	20M	2.5
IA	KQ0I	"3,402"	54	9	5	A-2	1
PA	N3CZB	"3,339"	53	9	4	20M	6
AK	KL7GN	"3,150"	50	9	4	20M	2
WI	KB9W	"2,898"	46	9	4	40M	1
VA	W40EL	"2,772"	44	9	4	20M	1
NH	N01E	"2,632"	47	8	2	40M	2
TX	AA5TB	"2,058"	42	7	3	20M	1.25
CA	WD6FDD	"2,016"	48	6	5	40M	?
KY	AE4VQ	"1,920"	32	6	1	20M	1
WI	W90VZ	"1,911"	39	7	5	20M	6
MD	WA8MCQ	"1,848"	33	8	4	40M	1
CO	KG0PP	"1,736"	31	8	3	20M	0.5
KS	WB0SMZ	"1,736"	31	8	4	80M	1
NY	KB20UA	"1,680"	24	10	4	A-3	8.5
TX	KB0PJE	"1,232"	22	8	5	A-3	?
TX	WB9LAU	"1,190"	34	5	3	40M	1
FL	WB2QAP	945 27	5	5	A-2	1	

TOP TEN ALL BAND

TOP SINGLE BAND

=

W5NN "1,002,932" 160M W2PTF "10,556" =

KP3S "839,664" 80M WA3SRE "66,660" =

K5ZTY "828,604" 40M W8MVN "455,896" =

=

KH6CP "737,583" 20M W7CNL "160,524" =

=

NZ8J "730,442" LOW KC1DI "324,576" =

=

WA0RPI "659,680" HIGH N4BP/VP9 "612,955" =

=

K0FRP "641,508" =

AE4IC "626,080" =

N2CQ "617,050" =

N4BP "612,955" =

Team Competition Results =

Texas Yahoos "K5ZTY," "WA1YIA," "W5NN," "WA5DWX"
"2,453,157"

New Jersey QRPeanuts #2 "KB2JE," "K2HPV," "KB2TE0," "N2CQ"
"961,590"

Maryland Milliwatts "K3YKS," "W03B," "AA4XX," "W6TOY/3," "WA8MCQ"
"883,363"

No-Name Western Group "AE=D8Q," "N=D8TBM"
"537,810"

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [9675] Final LDG Group Purchase Tallies, possible slight delay
Message-ID: <Pine.3.89.9701231533.A1676-01000000@w3eax.umd.edu>

37 QRO tuners with
32 enclosures

33 QRP tuners with
23 enclosures

The QRP enclosures haven't arrived (yet) and Jennifer at LDG had an illness in the family. The orders will be processed as quickly as humanly possible.

Thanks for your patience. The numbers are big.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 138 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** 145.490- 147.225+ PL 156.7 *

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: Nick Franco <kf2ph@bnl.gov>
Subject: [9679] Four Hours Left!
Message-ID: <32E7DF30.5ABE@bnl.gov>

Hope you are all fine tuning your sights and making any last minute adjustments. The Fox Hunt is only Four Hours Away!

Wow, I sound like the South of the Border billboards :-)

I'm leaving work soon and getting out my Fox-o-flage winter ware. Gonna get me a whoppy cushion for my chair sos my scrawny but don't get sore from sittin for 2 hours straight. I'm plannin'; I'm ready; I'm getting scared too. CUL Hunters. In the 7.040 ball park wherever I find a clear spot to start. 0200 - 0400 UTC.

72,

Nick - KFox2PH

--

Nicholas J. Franco <>> BROOKHAVEN NATIONAL LABORATORY
Sr. Systems Specialist RHIC Project Building 1005
Tel: (516) 344-5467 UPTON, NY 11973-5000
Fax: (516) 344-3674 Ham Call: KF2PH
Email: nickf@bnl.gov <http://www.rhichome.bnl.gov/People/franco>

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: torell@sicom.com (Kent Torell)
Subject: [9585] FOX - Hawaii 'beacon'
Message-ID: <v02130507af0c37dd70b0@[192.91.202.41]>

Gang,

I just recalled that there is a chirpsounder beacon on Oahu, that you can sometimes hear swishing past. It moves at 100 Khz / second, and runs 4 times per hour. You will hear it on 7.1 Mhz at xx:04:01, xx:19:01, xx:34:01 and xx:49:01. These signals sound like a guy spinning his transmitter knob. There are quite a few, so if it isn't within 1 second of this (you do set your watch to wwv, don't you?) it's some other station.

Kent Torell torell@sicom.com 602-483-2867 x230
SICOM 7585 E. Redfield, #202 Scottsdale, AZ 85260
AB70A qrp-1 57 ARCI 9075 DM33xn 33.55 N 111.078 W

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: "T. PETTIBONE" <tpettibo@NMSU.Edu>
Subject: [9611] FOX Report for 22 January 1997
Message-ID: <Pine.A41.3.95.970122212223.27042A-100000@hector.NMSU.Edu>

OK, here is the log for my stint as FOX on 22 January, 1997. There may have been transcription errors - please let me know ASAP so I can finalize and submit to Chuck. I want him to hurry up and tell me how badly I've done.

It was fun, and I really enjoyed using the 40A w/KC1 for this one. Power out was just less than 2 watts and the antenna was the GAP Titan vertical with the base up 17'. Noise didn't seem quite as bad but I know I lost some of you down there - sorry about that. Good hunting for the rest of the season.

Tim AB50U (soon to be _____)

QRP-L FOX Hunt Report for 22 January 1997

Time	Call	Sent	Rcvd	Name	State	QRP-L#/PWR
0200	W6SU	339	449	John	CA	48
0202	N6MM	599	599	Harvey	CA	318
0203	VE7SL		339	589 Steve		BC 769
0204	W6ZH	579	579	Pete	CA	257
0205	K1MG	559	579	Mike	CA	614
0206	AK1P	339	559	Paul	CA	284
0208	AA0XI		339	559 Marshall	CO	153
0209	N9DD	339	559	Tom	IN	32
0210	N6VZ	559	559	Gary	CA	919
0211	N6WG	559	559	Bob	CA	27
0213	N5LU	339	549	Bill	OK	5W
0216	AB5UA		339	339 Clifton		OK 478
0217	KK5R0		339	339 Vernon		OK 325
0219	N7GS	339	559	Mal	MT	815
0221	W1HUE		339	539 Larry		ID 228
0222	N6XU	599	599	Stan	CA	66
0223	WA6NAE		339	559 Dwight		CA 2W
0225	W6BAB		599	599 Harvey		CA 5W
0226	K0EVZ		339	559 Doc	MN	861
0227	KI60Y		559	559 Lee	CA	637
0229	K6JI	339	559	Dennis	CA	303
0232	WJ4P	449	449	Randy	SC	296
0234	WA6PBY		559	599 Dan	CA	558
0237	W6EMT		339	339 Roy	CA	369
0240	KS4L	559	459	Randy	AL	468
0242	NQ7X	559	449	Floyd	AZ	343
0250	AA1MY		339	339 Seab	CT	5W
0253	KA1AXY		339	449 Peter		MA 260
0257	KE4YH		339	339 Stew	FL	590
0303	W5FN	569	559	Tim	TX	586
0304	KA5T	569	349	Larry	TX	89
0309	K2VCO		579	579 Vic	CA	725
0311	AB7TK		559	339 Randy		ID 102
0313	AA7ST		579	579 Bob	UT	129
0319	W6KI	559	559	Glen	CA	2W
0322	KU7Y	599	559	Ron	NV	17
0325	KC1FB		339	339 Jim	CT	29
0326	N9XVZ		339	539 Karl	WI	3W
0330	N7CQR		339	529 Dan	OR	502
0334	W6SIY		339	339 Keith		CA 675
0350	KK7BD		559	559 Dan	AZ	5W

0351 KD6YIX		339	339	Mike	CA	533
0354 VE3JC		339	339	John	ON	744
0355 NQ7K	339	559		Mike	AZ	47
0357 W7GVN		339	339	Rod	AZ	849
0359 AF5Z	559	559		Bob	TX	4W

I count 46 Qs and lots of CA not lots of TX. It was a real blast - thanks for being there even if I didn't work you.

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
 From: kf2ph@juno.com (Nick Franco)
 Subject: [9612] Fox Schedule Thurs Evening EST
 Message-ID: <19970123.000659.4654.150.kf2ph@juno.com>

Calling all Hunters!

Thursday evening 1/23/97 from 9:00 pm to 11:00 pm EST I will be the Fox!

That's Fri. 1/24/97 - 0200 to 0400 UTC

I will be coming out of my Long Island hole on approx. 7.037 to 7.043 plus or minus QRM of various sorts. I will be calling CQ CQ de KF2PH QRP FOX .

Hope to work a ton of yous guys. Try to stay to the prescribed format:

RST	Name	State	QRP-L # or power
-----	------	-------	------------------

I will try to do a better job on the loggin than last time. Long Island or at least my area is heavy QRN on 40 at night so please repeat each item 2x then I will only have to ask for repeats on the really tough ones. Thanks.

OK - So load up the heavy artillery. I'll see you later. There should be some fur flying on Long Island :-)

72,
 Nick - KFox2PH

--
 Nick Franco <>< KF2PH/qrp
 QRP-L # 13 NE-QRP # 349 ARS # 128 LIQRP

Music Minister - Church of the Nazarene
Patchogue, LI NY Suffolk County

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: kirk2@cloudnet.com (Kirk A. Kleinschmidt)
Subject: [9644] FS: Mint HW-9 & Heath PS - \$300
Message-ID: <199701231617.KAA04220@antares.cloudnet.com>

Hi!

I'm selling my HW-9. It's in fabulous condition and has the matching PS,
the WARC pack and all manuals.

This rig was professionally built!

Price: \$300 -- I pay insured shipping.

Because I own a small business I can accept VISA/MC, which is my preferred
way to transact via the net.

Let's get this beauty into your shack and outta mine!

--Kirk A. Kleinschmidt, NT0Z
QST Assistant Managing Ed 1988-1994

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: Jim Hydzyk <congress@magpage.com>
Subject: [9641] FSFD (50 States) Update for Jan 23
Message-ID: <199701231543.KAA03197@alaska.magpage.com>

Hello ALL, (QRP activity info at <http://www.dancris.com/~ki7mn>)
[changes: K0EVZ 7040 to 7041, added N0SS shed on Saturday]
The 50 States In 50 Days (FSFD) activity started Jan 01 and runs through
Feb. 20. Below is a the schedule of States for the next few days. We will
attempt to provide digested schedules of states/times/bands/freqs. to help
reduce message traffic to the reflector. Typically, only 1 message per day.
ALL TIMES UTC

Jan. 23 Thursday MINNESOTA K0EVZ, Doc 2300-0130 UTC 7.041
0130-0300 FRI-UTC 7.112
0300-0500 FRI-UTC 7.041

N0UR, Jim 2000- UTC 14.060

Let's keep Jim Busy. 2100- UTC 10.116
 He'll stay on as long 2200- UTC 7.040
 as the calls keep coming. 0100- FRI-UTC 3.580
 Jim will check 21.060 @ 15 minutes past the hour starting 2000 UTC

WVa WEST VIRGINIA K5IID/8 0100-0330 FRI-UTC 7.055
 Tom 0345-0500 FRI-UTC 3.535

Jan. 24 Friday WEST VIRGINIA K5IID/8 1230-1300 UTC 3.565
 Tom will be active all day, 1330-1400 7.055
 signing K8IID/8/WVA and ck 1500-1530 10.110
 Novice segments of active 1530-1630 14.045
 band at 15 min past the hr. 1700-1730 21.065
 Sugg. 7.112 & 3.708 MHz. 1730-1800 28.065
 Tom will also be available on the 160M contest Friday night

MS MISSISSIPPI K5XU, Mike 0100-0330 SAT-UTC 7.042

Jan. 25 Saturday MISSOURI N0IT, Dave 1900-2100 UTC 14.058 or
 check 15M first-----> 21.058 if open
 2100-2200 UTC 10.115
 0000-0200 SUN-UTC 7.038
 0300-0400 SUN-UTC 3.562

MISSOURI N0SS, Tom 1700-1729 UTC 14.059
 1730-1759 UTC 10.115
 0030-0114 SUN-UTC 7.037
 0115-0200 SUN-UTC 3.556

After 0200 maybe back to 7.037 if band open
 Tom avail for requests: n0ss@socketis.net or 573-893-2813

MICHIGAN #2 WA8LCZ, Byron 1500-2000 UTC 18.085

ALASKA AL7FS, Jim Will start between 1800-1900 UTC
 on 21.064, 14.064, 10.126 (dn to 10.123)
 ALASKA He'll be on the highest active band
 Check all three frequencies through 2359 UTC
 ALASKA
 0000-0300 UTC Mostly 7.044 then 3.564
 Jim will juggle the bands based upon condx to the States but
 will stay as close as possible to the freqs above.
 Look for the major band change at 0000 UTC to 40/80M

Jan. 26 Sunday	MONTANA	KJ7UN, Laura	1600-1700	UTC	7.045
			1700-1800	UTC	10.110
			1800-1900	UTC	28.116
			If Dead Band then		14.058
			1900-2000	UTC	21.121
			If Dead Band then		7.045
			2000-2100	UTC	14.058

Go Packers

Jan. 27 Monday	NEBRASKA	NEBRASKA	WB0QQT, Steve	TBA
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Jan. 28 Tuesday	NEVADA	NEVADA	KU7Y, Ron	TBA
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Jan. 29 Wednesday	NEW HAMPSHIRE	AA1MI/Paul and AA1IK/Ernie	TBA
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Most every sign-up came with a note saying they would go longer if busy.
 Frequencies are +/- QRM & typ. may reach as far as 3-4 KHz from posted freq.

CALLING CQ: A suggestion. If we call CQ WAS or WAS QRP de K6.... etc,
 we give those not on QRP-L an indication of what we're doing. FSFD type
 calling might be too cryptic for all but ourselves. However 'FS' is fine
 when busy. Exchange RST, State/Province/Country, and Name. Power level is
 nice to know.

If you want to sign-up for an upcoming State, e-mail band/freq/time directly to:
congress@magpage.com

Thanks for all the responses/encouragement and suggestions. Lets have a blast!

Jim K3QIO Wilmington, Delaware

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
 From: Byron8LCZ@aol.com
 Subject: [9621] FSFD - Mich report
 Message-ID: <970123002751_135166023@emout02.mail.aol.com>

Hi Gang,

Now That, was a lot of fun. the most qrp'ers i've put in my 80m log in one night, ever. The static crashes were the worse part of it. everytime i'd turn up the audio to hear a weak one, KABOOM ! and the sound would reverberate around in my head for a few seconds. I didnt leave any gaps in my schedule for meals or breaks, so i stole a few minutes here and there, to eat and look for VK0IR. The first hour of the 80m run was the most exciting. 10 Q's in 60 minutes, Heres the breakdown:

20m: 5 Q's

N4BP Bob Fl
KG7OM Earl Wa
VE5AQ Moose Jaw Saskatchewan 100w
N7MFB Bill Wa
NR5A Jerry SD

40m: 9 Q's

K3AS Bill Del
K5ID Ken Ark
N4BP Bob Fla
K4WZ Ron Ga
AC5AM Bob La
N0UR Jim Mn
W4ED Bob Ga
W9KI Howard Ark
AA0UN Bob Mo 100w

80m: 16 Q's

VE3JC John Ont
N3REY John Md
AE4JA Lou Ga
K4WZ Ron Ga
WZ2T Rick NY
K4NK Les SC
N3KFL Al Pa
K3QIO Jim Del
KS4HQ Bob NC
KE4IZH Rick Va 2w
AC5AM Bob La
K1CL chuck Ma
W1ME George Me 2w
WA1QVM Joel Ma
AF5Z Bob Tx
W8KC Paul Mich

All Qso's were two-way QRP except where noted

total two-way QRP Q's worked 26, total Q's worked 30

Comments:

1. Static crashes on 80m from 0000z to 0500z, most productive time to be on 80m was 0000z to 0130z
2. Moving around a couple of khz was necessary to avoid the "tuning uppers without listening" and the skeds that start up on top of you in the middle of a qso.
3. wx: warming up from below freezing yesterday, rain, then melting snow today.
4. Band condx today: generally poor for WAS'ing and DX'ing.

Rig: Kenwood 450 at 5w, Gap Titan vertical up 12 ft, JPS NRF-7 DSP, JPS ANC-4 noise canceling, AEA keyer.

See you all Saturday on 17m.

72, Byron WA8LCZ Detroit Michigan

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997

From: "Paul R. Valko" <prvalko@Oakland.edu>

Subject: [9614] FSFD - Michigan Report - W8KC (so you know it's good)

Message-ID: <Pine.OSF.3.95.970122233946.26929C-100000@vela.acs.oakland.edu>

The rest of you folks can chat about cheeze badgers and anticipation of kit building... I *love* to operate, and I really get SO little time to do it, these forced-events (Foxhunt, FSFD, etc) are a BLAST.

Didn't start out too well. I was watching Katie type some of her 2nd-grade homework on the PC whilst I reclined on the "comfy chair."

Big mistake...

Next thing I know, my dear wife is tapping me on the shoulder saying, "Aren't you the Fox tonite?" For simplicity, I told her I was the fox, it's really best to keep the technobable (FSFD) to a minimum when your mate has a 150 IQ.

Well I'm ONLY about 15 minutes late...

In this sleep fogged haze I find it IMPOSSIBLE to get the SWR to go "flat." I twist dials and wonder if the skywire blew down when I notice that the meter is set to FWD instead of REV. DUH. You know... I doubt there is anyone else on the QRP-L that'll open the kimmono like 'ol KC.

Ten Tec (what else?) Corsair 1 running 5 watts to a ladder line fed, 132

foot long dipole at 45 feet.

40 Meters:

0224 AC5AM	559/449	LA	Bob	4W
0228 WA1QVM	449/339	MA	Joel	4w
0230 K5ZTY	449/339	TX	Bill	5w
0234 KK5BD	559/339	AZ	Dan	5w

80 Meters:

0248 AC5AM	579/449	LA	Bob	4w	Bob Again! Cool.
0252 WA1QVM	559/559	MA	Joel	4w	Joel Again! Way cool.
0254 KB0ZDF	449/439	IO	Dean	4w	
0258 K1CL	449/349	MA	Chuck	5w	
0307 KB2SWI	579/579	NY	Chuck		100w Got him to drop it to 5W!

160 Meters:

0325 KH4HQ	569/339	NC	Bob	4w	Too many dits in that call
0329 AA9G	579/579	IL	Keith	40W	
0334 AA1MY	579/579	CT	Seab	4w	Seab BOOMS into Mi
0338 AI9L	579/559	IL	Jess	100W	
0345 N8NRG	549/549	MI	Bill	4W	
0356 WA1QVM	229/339	MA	Joel	4w	Joels gets W8KC on all three bands!!! Great Job!

My buddy Byron has been on 80M for about three hours, I'll visit him:

0402 WA8LCZ 229/429 MI Byrom 4W Cool, my first FSFD QSO!

Great Time! Thanks everyone.

vy 73 =paul= W8KC

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997

From: "Laura" <sputnik@imt.net>

Subject: [9654] FSFD 80 meters/montana/update

Message-ID: <199701231745.KAA25330@cu.imt.net>

Gang~

OK, by popular demand (or at least enough of a demand to make me want to try it) I will attempt to work 80 meters on Jan 26th for FSFD contacts. I will add this to the end of the schedule at 2100z. It will require some

antenna tuning and I don't know what results I'll get, as I have very few contacts on 80M. I also know the time of day will be against us. We'll give it a try and see what happens. Can't hurt to try, right? See you all on Superbowl Sunday!

New Schedule:

Jan. 26 Sunday MONTANA KJ7UN, Laura

1600-1700 UTC 7.045 (40M)

1700-1800 UTC 10.110 (30M)

1800-1900 UTC 28.116 (10M)

1900-2000 UTC 21.121 (15M)

2000-2100 UTC 14.058 (20M)

2100-2200UTC 3563 (80M)

If after trying 10M and 15M the bands aren't cooperating, I will be on 20M instead of the 10M schedule and 40M instead of the 15M schedule at the freqs listed above.

Good luck, all!

73 de KJ7UN, Laura

Laura Marino Lubner - Reese Creek Montana USA

sputnik@imt.net <http://www.imt.net/~sputnik>

GHRC / ARRL / 10-10 #68896 / FISTS #2785 / MARC / QRP-L # 790

From owner-qrp-l@Lehigh.EDU Thu Jan 23 18:01:10 1997

From: Jeff Grudin <grudin@pacific.vdbs.com>

Subject: [9649] FSFD discrimination

Message-ID: <32E7A02C.7074@pacific.vdbs.com>

FSFD folks,

I have been looking anxiously at the FSFD lists over the last few weeks and have noticed a lack of CA stations being listed.

I know that we are out here trying so I think you guys have put up some kind of radio force field out here.

I have been on the air trying to find the FSFD stations daily and Nada. I'm beginning to think "Life's too short for"

Oh well, I guess it make the catch all that much more exciting.

Hope to hear you out there Laura. Listen for those weak DX sigs from

California. Hi Hi

Alright Already. Thanks to all for the words of encouragement (and spelling corrections!)

--

73 de Jeff AC6KW
grudin@vdb.com

QRP-L #16	Private Practice : Companion Animals and
Exotics	
Norcal QRP #1292	Ocean Animal Clinic / Cat Clinic of Santa
Cruz	
	Santa Cruz,
California	

QRP'ers do it with less energy (but lot's of enthusiasm)!

From owner-qrp-l@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
Subject: [9596] FSFD:A PLEA
Message-ID: <970123025404_70511.3041_IHD37-1@CompuServe.COM>

Gang:

Several responses have convinced me to decide *now* to move upward from my announced 7.040 to 7.041-7.045. I will begin right on 7.041 and see how it goes from there. May have to upward. We'll see.

BTW, will listen above and below the operating frequency hoping to hear everyone.

My setup will be a TenTec ARG0 556 at 5 watts through an MFJ-989C tuner into a TNT/2 Windom at 27' pointing E<->W. Will be using headphones and an MFJ CW filter.

Here's looking forward to a busy evening. For what it is worth, I may be able to *add* on a couple of hours earlier in the evening. And I am willing to hold on as long as there is interest, Too bad we can't get a temperature multiplier now, instead of during FYBO....!

72/73,

--Doc/K0EVZ QRP-L #861 MN-QRP #20 ARRL

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>
Subject: [9668] Gel cells
Message-ID: <854042346.61532.0@gqrpclub.demon.co.uk>

Just a simple tip for those of us wh use sealed lead acid batteries. I always have the positive side of the battery covered with tape when not in use, as it is easy to plonk something metallic, like a bit of ali, PCB, a tin or the odd tool onto the battery. Unnoticed the short circuit may have disastrous results.

Simple but worth a mention.

---72/3---Frank G3YCC G QRP 042
QTHR (Kirk Ella, East Yorkshire)
QRP Web sites: <http://www.gqrpclub.demon.co.uk>
<http://www.geocities.com/CapeCanaveral/5179>

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: ed.welch@cheaha.com (ED WELCH)
Subject: [9610] Hang Tight
Message-ID: <8D09535.0004001C01.uuout@cheaha.com>

-> Let's keep the flame wars to a minimum. This is a
-> quite place along the super info highway with quiet
-> peaceful waters flowing along a peaceful stream.
-> Let's not bring in the bulldozers here, please.

QRP.....a state of being.

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: john andrews <jm165723@eee.org>
Subject: [9615] HB: variable caps- ID?
Message-ID: <32E6F2D2.19B@eee.org>

Hi Gang;

My ignorance on many subjects never ceases to amaze me.

Let's suppose:

On 3 and 6 mm. variable trimmer caps that they are color coded as to value. Red, blue, and green on the "screw head" of many seems to be the most common colors. Is the most significant digit of the color code the code for these caps as well?

My tests show that red=2= 20pF. , green=50 pF., etc. max. mesh.

It would seem I have overlooked the obvious for years.

Somewhat abashed,

John- N5INZ

From owner-qrp-l@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [9636] HTs, QRP, HF, accys for sale
Message-ID: <Pine.3.89.9701230929.B437-0100000@w3eax.umd.edu>

I was thinking about the hamfest coming up this weekend, and realized that somehow I have amassed a LOT of stuff in the last six months that I consider extraneous.

Besides, in less than a week, I'll have a pile of 70 autotuner kits to send out...hmmm...my wife is already getting upset...

Yaesu FT-23R 2m HT, sturdy, clean, with charger, big battery, DTMF pad (no CTCSS), wideband receive (xmit too?), duckie, and manual. \$110.

ADI AT-18, 2m HT with battery pack, duckie, and manual. DTMF pad (no CTCSS). Has jack for 12 VDC (charges battery this way). \$90.

Icom 2AT - classic thumbwheel 2m HT with DTMF pad, speaker mic, bunches of accessories. Just like the one used on SPRE! \$130. Super-rugged.

Radio Shack 2m HTX-202 (I have FOUR to sell), all in good-to-excellent condition. DTMF encode/decode, CTCSS encode/decode, battery packs, chargers, antennas, manuals (or copies thereof). \$125 each (\$200 at RS).

DUAL BAND MOBILE RIG! Alinco DR-600T (also receives cellular, and quite well, through separate pigtail). 2m/440 MHz wideband receive plus 800 MHz (incl. cellular). Comes with remote control mic, crossband operation, OPTIONAL CTCSS encode/decode board, manual about 1/2" thick. Exc. condition except for some black stuff from where the velcro was removed. OK, as it's on top and bottom cases...

35 watts on 440 MHz and 50 watts on 2m. \$420.

Now, for the HF stuff:

Oak Hills 40m Explorer II CW rig, in excellent condition with manual. 2.5 watts out, weighs under two pounds, single superhet receiver with variable bandwidth CW filter (350-1500 Hz, works great). I have another waiting to be built. Comes with manual. Sold for \$100 as a kit, asking \$100 built.

Kenwood TS-520 with CW filter, VFO-520, SP-520, MC-50 package. Radio covers 10-80 meters (no WARC bands, but does catch the big ones). CW/SSB, 100 watts out from rugged 6146B tubes. Also has 500 Hz CW filter installed. VFO-520 external VFO allows split frequency operation. SP-520 external speaker and MC-50 desk mic also included. Everything in excellent condition, with all cables, boxes, and manuals. \$425 for all.

Drake TV-3300 lowpass filter. 80 db attenuation above 41 MHz, protects you from wiping out peoples' televisions...Rectangular, rugged, good condition, \$35.

Nye Viking lowpass filter, cylindrical-shaped, \$25.

Heath HM-2140 dual meter, PEP reading, remote sensing wattmeter. With photocopy of manual. 200 and 2000 watt scales. Very good shape, works well, asking \$90.

Drake 300 watt dummy load, excellent condition, \$30.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 138 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** 145.490- 147.225+ PL 156.7 *

From owner-qrp-l@Lehigh.EDU Thu Jan 23 18:01:10 1997

From: Mike Czuhajewski <wa8mcq@u1.abs.net>

Subject: [9667] Info on QRP dealers?

Message-ID: <Pine.BSI.3.93.970123142552.19096D-100000@u1.abs.net>

In a recent posting, I mentioned several QRP kit dealers. I got a reply from Bill Henley, N6RHF, who said he's trying to get into kit building and wanted phone numbers of some of the companies. Does anyone have a list of the various QRP kit companies that they could post to qrp-l? I can just about guarantee that Bill isn't the only one who'd love to see the info! Surely someone, somewhere, has a file with info on the various

companies--Index Labs (that's a complete rig, Bill, not a kit), OHR, S&S, MXM, EmTech, Small Wonder Labs, Wilderness Radio, etc. Wouldn't be a bad idea at all to have such a list posted every couple of months, as a service to the newcomers.

73 and Queue Our Pea DE WA8MCQ

wa8mcq@abs.net

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: cjsterl@ix.netcom.com (Craig J. Sterling)
Subject: [9630] Ladder-Line
Message-ID: <199701231146.DAA20331@dfw-ix5.ix.netcom.com>

Greetings,

Thought I would pass along some information I've recently learned as a result of several exchanges with L.B. Cebik regarding the best way of working with ladder-line to incur the LEAST LOSSES POSSIBLE.

I posed several scenarios to L.B. with respect to the best way to bring ladder-line into the shack and into a tuner. One scenario was to use a 4:1 remote balun, another was to just use the internal 4:1 balun in my MFJ 949E and another was to use the "coil-up the coax" method (choke).

L.B. suggested bringing the ladder-line either into or as close as possible to the tuner/shack and attach to some type of stand-off terminals. At that point attach a VERY short piece of quality coax and attach to a Line Isolator(Radio Works or (W2DUN I think?)and then run QUALITY coax to your tuner(preferably a roller inductor type tuner).

The lesson learned or should I say confirmed is that internal 4:1 baluns frequently used in tuners are not all that efficient. This also holds true for the remote(out the window)baluns we all see advertised. Rather than try to change impedance via baluns and incur losses, let the tuner deal with the impedance matching and use the line isolator to keep RF off the coax.

Now, with my new antenna designed and installation questions answered, I'm looking into tuner designs. In addition, I'm also figuring out how to deal with protecting my system and rigs from electro-static discharge without incurring more losses through the use of Transi-Trap lightning protectors etc. Hopefully in several weeks this new antenna should be operational.(132' flat-top of insulated #13 wire @ 65'-70' and center-fed with 450ohm ladder-line) While this design is VERY basic...I'm attempting an installation procedure that will produce the BEST EFFICIENCY.

Hope this is helpful,
Craig, AA3MD

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: NilsBull@aol.com
Subject: [9597] NC38S!!!!!!!
Message-ID: <970122202454_681151581@emout16.mail.aol.com>

Oh boy am I happy. I put the letter in the mailbox for orderin' the NC38S about three weeks ago and I'm just sittin' on the porch with the dead washin' machine and the old 35mm slide projector and some other stuff, plus the green crap that Cindy had draped over the doorways during Christmas, just waitin' for a uniformed representative of my federal government to come up on the porch and give me my mail. Even if the radio kit ain't in the bunch of stuff that the postal organ gives me, I'll still be happy 'cause I know that there's a NC38S out there with my name on it, just waiting to come on down to my house and sit with me on the porch next to the washin' machine and the cage for the cheese otters.

Just thought you'd like to know. Now, when it does get here....Yeeeeehaaaaa!

73
Nils
WB8IJN +c

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: Oka@mol.net.my (Takanori Oka)
Subject: [9625] NC40A Transmitter
Message-ID: <v01530501af0cca4fc4f96@[202.190.129.83]>

Hi,

I am now trouble shooting my NC40A. The receiver works fine and all the volt checks suggested in the manual seem to be OK, but I do not get any power out.

To find where I have a problem, without a scope, I would like to know how much of r.f. power in mW I'm supposed to have at the gate of buffer, at the base of driver and PA. And any suggestion that helps me?

I appreciate if anyone could help.

Thank you in advance.

Tak Oka/9M2EN

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: "chris" <guardianone@mvitel.net>
Subject: [9682] need halacrafter part info
Message-ID: <9701232336.AA14931@host.ot.centuryinter.net>

I am looking for a part source for a halacrafter HT46. the part # is pn 050-002104. this is for the transmitter transformer. the # on the transformer former is 1052-6546.

thanks for an help kb5vyb chris

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: k5vp@earthlink.net (Kevin Potter)
Subject: [9584] Norcal page
Message-ID: <v01540b00af0beafcdf0e@[206.250.111.98]>

Would someone please direct me to the Norcal webpage?

Also, (newbie alert!) what does 72 mean?

Kevin

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: "Jeff M. Gold" <JMG@tntech.edu>
Subject: [9633] NW8020-DX
Message-ID: <01IEJN95Q5148WXX5X@tntech.edu>

Good morning.

well was sick of working 15 hour days.. so snuck into the shack this am at about 7am and turned on the NW8020. heard some faint signals..

One I copied as 9A50D---maybe the old ears are going. Worked him first call

then worked LZ1LZ-Ken first shout.

only minor problem with rig is there is a slight thump when the filter is kicked in on the sending sidetone.. think Roy already provided me with a solution.. but probably won't mess with this rig.. the way it is working.

72,73

Jeff, AC4HF

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: "John A. Evans - N3Q00" <jae@cos.cst.titan.com>
Subject: [9634] One Aspect of the Hobby
Message-ID: <199701231458.JAA151538@nss2.CC.Lehigh.EDU>

Greetings All!!!!,

While reading about the death of amateur radio on the list (Hey, we =
all
shed millions of dead skin cells each day - I would consider it a
continuous transformation), it came to me that Ham radio might be one of
the few hobbies whose existence is extremely dependent upon world =
cooperation
and government regulation.

Sure, all aspects of life are tweaked by safety regulations and the =
like,
but in order for us to ragchew at 40 wpm (I ain't even half way there =
yet)
we have to share a world regulated resource. If I want to collect =
stamps
or paint pretty mountain scenes, I don't worry too much about losing a
piece of the spectrum.

And don't forget the folks we touch when we respond in times of =
emergency
when the Baby Bell's cell structure breaks down.

Just a perspective. !!!
=20
72, n3qoo
john

John A. Evans Chief System Administrator
Office: (719) 528-1800 x164 Titan Client/Server Technologies
Fax: (719) 528-1275 1115 Elkton Dr, Suite 200

email: jaevans@cos.cst.titan.com Colorado Springs, CO 80907-3535

Norcal #262 QRP-L #219 QRP-ARCI #8303 NE-QRP #213 CQC #045
CQrp #15 NJ-QRP #50 AK-QRP

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997

From: Jack Ray <k4mzw@akorn.net>

Subject: [9613] Only Ten-Tec item left!!!

Message-ID: <32E6F3F7.2A1E@akorn.net>

Hi gang; I have the Model 405 Ten-Tec 50 watt amplifier remaining from the sale last week. This is the one that matches the Argonaut 509.

Offers??

Regards..... Jack

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997

From: clifton w sikes <csikes@brightok.net>

Subject: [9594] QRP Breakfast in OKC

Message-ID: <199701230233.UAA08390@sooner.brightok.net>

Hi to all, The Oklahoma QRP group will have our monthly breakfast meeting this Saturday, January 25th, at 8:00 A.M. The location is Ingrid's Kitchen, on the corner of 36th and Youngs Blvd. If you are in the area, come join us, and bring your newest toys.

72, Clif

Clifton Sikes

AB5UA

Earlsboro, Ok.

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997

From: TMOLL@aol.com

Subject: [9663] Qrp rig recommendation

Message-ID: <970123134849_1445769869@emout01.mail.aol.com>

Hi All,

I am looking at building a 40m and an 80m qrp rig - looking at schematics from May '76 QST of a Tuna Tin 2 for 40m, and the Oct '78 QST of a Sardine Sender for 80m. These look interesting. Any other old timers out there

remember them or possibly built one? Any recommendations on similar circuits would be appreciated.

Then, after reading some recent opinions, and in spite of my 34 years experience in ham radio, my Extra class license, and a degree in electrical engineering, I had to ask myself, "WHY WOULD I WANT TO DO THIS? SOME PEOPLE (at least one person) WOULD DEEM ME CRAZY (and stupid). So I decided that I want to do this for the same reasons that I hunt with a bow and arrow and pistol, fish with a cane pole and ultra light gear, use an S38C for a receiver and a Navigator detuned to 5 watts for a transmitter, like old cars and motorcycles, etc, etc. In simple terms - these things are FUN, and accomplishing things while at a self imposed handicap is rewarding. It has little or no relationship to education, experience, ability to pay, or anything else.

So, my request stands - I'd like to know what simple circuits people have had success with. TIA for any input.

Tom, N0BS

From owner-qrp-l@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: wa5whn@juno.com (Jay D Miller)
Subject: [9671] QRP successes /Astronomy/Museum presentation/NM
Message-ID: <19970123.130208.4447.2.wa5whn@juno.com>

QRP-Lers,

The Albuquerque Amateur Radio Club has asked the Curator, from the International UFO Museum, in Roswell, NM, if he would like to make a presentation to the Club, on the subject of "The Crash at Corona", plus a few other items. 1997 is the 50th anniversary of the event that had taken place July 3, 1947, near Corona, NM. I don't have the dates, however, if You are interested in attending this presentation, contact Art, N50QJ (n5oqj@juno.com) for the specifics. AARC usually meets on Saturdays, in Albuquerque, NM.

Art had also informed me that they are looking for a speaker, who is very knowledgable on the subject of Astronomy. Anyone notice Comet Hale-Bopp, in the early morning hours, looking east ? Just in time for QRPTTF, in April. I knew that KI6DS & WA6GER could work miracles, but this is amazing. A comet for QRPTTF. ;-)

I am impressed with the quality of People who read this List. For example; NN1G & his presentation to the Scouts, using a QRP xcvr, demonstrating the fun of building & playing with radios. Try that with

Your' computer. The last time that I remember any computer kits, they were manufactured in Albuquerque (circa '75-'75, MITS Inc.). Remember, quite a few People don't know that we exist. N5ZGT had printed out the FYBO information for KB5HRS, who is not on the internet. KB5HRS had built the Sierra kit from Wilderness Radio. Brian-N5ZGT had told Pete-KB5HRS about the QRP Crowd, plus Brian is an Explorer Scout (The President). I had talked to W1XU (of "73" fame & fortune, ok Jim is infamous), on 40 cw.. He is not on the QRP-L, and wanted more information on FYBO. He is interested in QRP. I had pointed him at the Az. scQRPions. Congrats to AB7TT (El Jefe de scQRPions FYBO Contest), 3rd Harmonic is now present & accounted for. Essentially, where is everyone ? We have to advertise by either word of mouth, or by writing articles, in other than QRP magazines, or on the air. Hmmm, fly tieing & winding toroids have quite a bit in common. Most of us spend quite a bit of time outdoors. Not everyone has access to the QRP-L, or has any knowledge about the QRP Clubs. When I read about W1VT working over 120+ miles on 10 GHz mobile, imagine the bandwidth (T1) available to play with at that part of the spectrum, not to mention the contests, which K5FO had so forth rightly seen, would improve our skills, in the event of emergencies. Anyone remember the hurricanes, and who was on the air ? Not to mention the recent snow storms in the NW USA, and who was on the air. I had watched one Internet provider loose over 2 million connections, and the panic that had caused. We have a future, let's go advertise the fun & skills that we are learning.

BTW, look for me on FSFD, from NM, Feb. 1, 1997, details to follow in a later note.

72 Amigos y Amigas...Jay, WA5WHN grid
square: DM65qd

PS New photos up on the following URL;

<http://www.flash.net/~w5bi/>

From owner-qrp-l@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: "Michael Connor" <mikec@primenet.com>
Subject: [9637] QSL Etiquette
Message-ID: <199701231518.IAA07925@primenet.com>

Gang,

Check out the March 1996 QRPP from the Norcal boys.
Page 18 is an article by some feller named Chuck Adams

on QSLing. The last paragraph of that article says it all, gang.
That's what its all about.:-)
nuff said.

Mike
NQ7K
Phoenix, AZ

From owner-qrp-l@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: jdenison@aisp.net (JOEL DENISON)
Subject: [9678] shortened quad ant.
Message-ID: <19970123213633657.AAA141@slip31.ts-f-merrill.caps.maine.edu>

Hello all:

I am in Maine where the wearther has no respect for man or beast and
I am still thinkin of a quad antenna.

"Question"

How short, can I make the sides (say for 14.060 mhz) and still
expect it to work?

About how much loss should I expect.

My Reasoning:

If I can make the loops smaller I should be able to put it up and
expect it to stay up. (less wind loading, ice loading) If I can make 9 db
gain out of the antenna and lose only 2db by making the loop smaller then I
would be ahead of the game.

Don't throw tons of formulas at me please. Just some good logical
information.

I understand a lot of things and one of those things I understand
is: I don't understand many things :-). Draw me a picture :-)

Thanks for your help
I know I can count on the list.

God Bless
Joel

WA5CVM
Joel Denison
81 High street
Farmington, Maine 04938
jdenison@aisp.net

40 mtr dipole up 40ft
QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: "Dean Marzocca" <n2tnn@ifu.net>
Subject: [9602] Sorry for pics
Message-ID: <199701230332.WAA23511@mail.ifu.net>

OK guys and gals,

My mistake for sending the pics. That was the first up load picture I had in the camera which was there for about a month. In December my hard drive crashed and I had just installed the new one on Monday. You all were the first thing on my mind after reading the threads on the NC38S. I wanted to show off the Rainbow Tuner and wasn't thinking.

Only a few of the regulars responded to me about the severity of attachments but I thought a post to the group would answer for all those who didn't shoot the flame this way.

Please accept my appology and it will not happen again. If you want to see any pics, I will gladly send them back but you have to ask. We will have a NJ-QRP meeting this Saturday and the camera is going to be there. Ya never know who might be digitized!!!!

72/73, Dean, NJ, N2TNN, QRP-L # 560
ps. I was away for a few days and just returned. Just in case you were wondering about the delay in this return post.....

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: Frank Brand <frank001@postoffice.worldnet.att.net>
Subject: [9616] St.Louis Vertical
Message-ID: <32E6F71C.130C@postoffice.worldnet.att.net>

This has probably been asked before, but does anyone know of a source for the South Bend SD-20 collapsible fiberglass fishing pole used as a basis for this antenna?

Thanks and

73..... Frank W6EV

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)

Subject: [9606] TenTec 40M CW XCVR Kit
Message-ID: <199701230352.DAA26760@chuck.dallas.sgi.com>

Gang,

Got one on the door step when I got home.
Taking photos for the web page.

Got the critter outta the box and starting
reading the manual, etc.

The PC board is double sided clear solder mask
(question on this in a minute) silk screened board.
Lettering is white and at some angles of lighting
difficult to see, but OK.

I was looking at the reflection of the solder mask
and noted that there were no non-masked areas on
the component side. This means the pads are covered.
Not good news as the top side is the ground plane.
The holes are not plated through. In the instructions
there are some notes to solder certain ground pins on
the top side. If you chose to use sockets this will
not work.

On the opposite of the board, there are random areas
where there is clear solder mask material and looking
at the board with a 8x Lupe (8 power lens) I can see
some of the pads are 1) covered with the layer, thus
I don't think they will solder and 2) some of the pads
are rather irregular in copper thickness.

The pads are not solder plated.

So I have chose to hold off on building. Going to
call TenTec support first thing in the morning.

The reason for this posting is to give everyone a heads
up. Look closely at the board and send me email and let
me know how yours is. It could be that I am the only one
with this condition, some of us have this condition, or
all of us have this condition. I want confirmation on
this one. I'd hate to invest a lot of time and energy
and not have it work.

I may be overly reactive here, but I have built a lot of
kits guys and girls and I don't want a single kit to be

built incorrectly. Not a one.

This will be a nice one. We are spoiled by double sided plated through green solder masked white silk-screened boards.....

FYI

SIG

Chuck Adams K5FO adams@sgi.com

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [9647] TenTec Kit Update
Message-ID: <199701231649.QAA01383@chuck.dallas.sgi.com>

Gang,

My mistake. The coating on the board is not a solder resist, a.k.a. solder mask. It is some residue left over from the board fabrication at TenTec. So solder away.

I will remove the stuff on the board with a flux remover. I have some tinning solution and may just go ahead and tin it at the same time. Views? Does and don'ts?

Gary Green at TenTec was most courteous and very supportive over the phone. TenTec has always been very good on the technical support line.

Some of the holes are ragged around the edges so you might look at it through a lense first to look for gotchas.

Film at 11.

Oh, email will stop bouncing at the web page now. :-)

FYI

SIG

Chuck Adams K5FO adams@sgi.com

http://reality.sgi.com/employees/adams_dallas/

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: Jon Iza <ea2sn@jet.es>
Subject: [9627] Toroid winding
Message-ID: <32E7A0E8.7CE4@jet.es>

Gang,
there was an email on digest 613 from Bill Jones, KD7S, about winding
toroids really tight and, THUS, resulting on higher inductances.
It happens to me the same.
May a wise guy/gal (yes, they are on the list too) explain a little
further about this relation thightness/inductance ?

72

jon, ea2sn

--

Jon Iza ea2sn since 1978 qrp'er at large! <mailto:ea2sn@jet.es>
** One's needs are proportional to the square of his/her incompetence **
URE - ARRL - DARC - VERON - ARI - WIA - NZART - AMSAT-UK - TAPR
EAqrp 26 = Gqrp 1216 = ARCI 5153 = qrp-L 313 = NorCal 701 = ARS 202

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: Jim Bennett <jbennett@ebmud.com>
Subject: [9657] Toroids - locking down?
Message-ID: <32E7AA15.466D@ebmud.com>

Gang -

While we are on the subject of these little devils, I'm wondering if
any of the kit builders out there do anything to "fix" their toroids
down in place on their boards after soldering them? I would suspect that
their proximity to other components can affect circuit resonance
slightly.

I've noticed that after soldering them in place, it is pretty easy to
nudge them back and forth while handling the board. Was concerned that
this might affect alignment, etc. Should they be "glued" in place
after installation? I don't forsee the windings moving very much on the
core itself, but more the entire inductor moving back and forth.

Jim Bennett / W6JHB (jbennett@ebmud.com)
Supervising Systems Programmer
East Bay Municipal Utility District
Oakland, CA 94607
voice: 510.287.0224 / fax: 510.287.0373

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: ka7you@juno.com
Subject: [9676] Toroids - locking down? and silicone implants
Message-ID: <19970123.131855.2694.18.KA7YOU@juno.com>

Jim,

I figured that title would get your attention.

One thing that works good is hot melt glue. Just a spot will usually stick a small torroid down nicely. They will usually come up easily with a little pressure if needed too.

I've seen people use silicone adhesive, but I don't recommend it because of the acetic acid. It is mildly corrosive. Some of the silicone adhesives are OK for electrical use, but you have to be careful to get the correct formulation. As I recall, Dow makes one, specifically for electrical use, but I don't have any spevcific info. As a rule, if it smells like vinegar, don't use it on your cirduit boards.

Many years ago, the auto industry started using silicone adhesives for things like mating surfaces, and valve cover gaskets. If a mechanic used wrong type (ie. the "cheap stuff"), there was a good chance the residual from the solvent would 'coat' the surface of the oxygen sensor in the exhaust system. This would cause the emission control system to malfunction, and could cause significant increases in fuel consumption, as well as significant repair bills to diagnose and repair the problem. I know that most shops are aware of it these days, but it was a nasty lesson back then.

7 3,

Rod Johnson KA7YOU CN97AK 160M thru 1296MHz
NWQRP #120 ARCI-QRP#7251

On Thu, 23 Jan 1997 10:12:37 -0800 Jim Bennett <jbennett@ebmud.com>
writes:

>Gang -

>

>While we are on the subject of these little devils, I'm wondering if
>any of the kit builders out there do anything to "fix" their toroids
>down in place on their boards after soldering them? I would suspect
>that

>their proximity to other components can affect circuit resonance
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>nudge them back and forth while handling the board. Was concerned that
>

>this might affect alignment, etc. Should they be "glued" in place
>after installation? I don't foresee the windings moving very much on
>the

>core itself, but more the entire inductor moving back and forth.
>
>-----
>Jim Bennett / W6JHB (jbennett@ebmud.com)
>Supervising Systems Programmer
>East Bay Municipal Utility District
>Oakland, CA 94607
>voice: 510.287.0224 / fax: 510.287.0373
>-----
>
>

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: "kurt" <kurt@patrol.i-way.co.uk>
Subject: [9618] unsubscribe
Message-ID: <199701230611.GAA27511@hoima>

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [9601] Web stealth text
Message-ID: <199701230331.DAA26674@chuck.dallas.sgi.com>

Gang,

I can't surf at the house. I'm going to remove the background logo and we should have a light yellow background with dark blue text and right hyperlinks.

Check 15 min after you see this and let me know via email.

dit dit es tnX
SIG
Chuck Adams K5FO adams@sgi.com

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: Cosmo224@aol.com
Subject: [9622] Wide band microwave antennas
Message-ID: <970122231135_1477595996@emout03.mail.aol.com>

Greetings all

One type of antenna to consider would be a ridged horn (I suspect that's what they are called... ?...) Ridged waveguide tends to be broad banded. I picked up a small horn of this type at Microwave Update that was made by EM Systems. I think the frequency range was in the ~1.2 to 14ghz range with about 10db of gain. It had both vertical and horizontal probes mounted inside. It probably cost a lot more new than what I paid for it surplus!

73 de AA9IL

Mike Kana

For real QRP, try MICROWAVES!

From owner-qrp-l@Lehigh.EDU Thu Jan 23 18:01:10 1997

From: Charles Lafkoff <cgl@tenet.edu>

Subject: [9666] Wideband UHF/Microwave Antenna

Message-ID: <Pine.OSF.3.91.970123131832.18128B-100000@beall.tenet.edu>

Jay and the Group:

The North Texas Microwave Society (NTMS) is in the process of designing an antenna kit that may be what you are looking for. I'm not sure it's available for distribution yet, but it appears to be a fairly small log periodic.

--Charlie W2CL

From owner-qrp-l@Lehigh.EDU Thu Jan 23 18:01:10 1997

From: Randy Hargenrader <randyh@harksystems.com>

Subject: [9673] Worked a NC38SP!!

Message-ID: <32E7C644.7E85@harksystems.com>

Here ye, here ye!!

I had the pleasure of working KJ5TF at 1950Z today.

He was using his NC38SP at abt 4 watts. I was using the TenTec Paragon at 3watts.

The band was up and down his rst was 449 to 559 over the 12 minute QSO.

I noticed an unstable "chirpyness" to his signal which he reduced but did not eliminate with some adjustment.

It sounded reminiscent of the sensitivity the 40-9er had

to the key contacts conductivity. (I solved that with a reed relay on the key input of the 40-9er) It is probably something entirely different on the 38Sp since they are so different.

Good work Jim!!!

73, Randy WJ4P

From owner-qrp-l@Lehigh.EDU Thu Jan 23 18:01:10 1997

From: w8lrm@qtm.net

Subject: [9588] WOW

Message-ID: <199701230046.TAA20951@garcon.qtm.net>

Hi Gang

What a week, the QQ in the mail yesterday and the 38 Special today. By the time I get back from a short trip, my TiCK and maybe the Raimbow tuner should be here. Gonna be a busy February. Great job by all involved. I think we are in the presance of greatness. Progress report after I get back from the sunshine.

.....de....W8LRM.....A1

MI-QRP #41 QRP-L #532 QRP-ARCI #6524

G-QRP #4152 NOR-CAL #246 CQC #289 (EN62RE)

>From Southwest Michigans Sunset Coast:

Saint Joseph, Berrien County, Michigan !

From owner-qrp-l@Lehigh.EDU Thu Jan 23 18:01:10 1997

From: john andrews <jm165723@eee.org>

Subject: [9593] Re: 38s Rcvr Mod?

Message-ID: <32E6C52E.743E@eee.org>

Hello Brian:

Most of the posts were in ref. to going from a 2 pole filter to a 4 pole, I think. Some concern was(may have been :)..) expressed by Ori and the "kitters" that a 4 pole filter would be hard to adjust(not to mention a pain in the neck to get 4 cheapie xtals within parameters).

You might be able to find a dozen or so xtals and sort them out yourself but by then(12 xtals at say...\$1 each to get enough for a good match) That's half the cost of the rig.

Some kind-hearted soul may wish to take it on as a 'charity' project.

72, John- N5INZ

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: ori@juno.com (Ori K Mizrahi-Shalom)
Subject: [9624] Re: 38s Rcvr Mod?
Message-ID: <19950122.233044.4367.13.ori@juno.com>

Brian ke7gh wrote:

> Anyway, I think someone mentioned a way to enhance the
> receiver filtering (not that I beleive it is inadequate). I have
> seen lots of comments about going to 5w, but have not heard
> about receiver enhancements. Seems funny for this bunch?
>
> Is there a mod to improve receiver selectivity? Is it at all needed?

The IF filter is not very sharp, and most selectivity is at the audio stage. There are provisions for a half-lattice filter using two matched crystals (or a 2-10 pF trimcap and the current crystal). The tuning of the IF filter is very sensitive, so attempt this mod only if you have time, skill and a decent set of instruments. This mod will buy you a better LSB rejection and a bit higher gain in the receiver chain (who needs more anyway...)

My suggestion is that you build this kit and listen to the receiver yourself. It might be just fine for your taste. Sensitivity is fine, but there were some comments regarding the audio level. I suspect this is an issue with some headphones and a non-issue with other. More audio can be gained by changing the value of R24 or shorting it. This seem to worsen the receiver noise level, but should be a reasonable thing to try, if you really want more audio with weak signals.

Have Fun!

ORI AC6AN

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: km1h@juno.com
Subject: [9605] Re: Alright Already!!
Message-ID: <19970122.214907.9191.40.km1h@juno.com>

In reply to KB0VCC's list wide comments:

Sorry old boy but I do not sell QRP kits and have not for over 2 years. This post has absolutely nothing to do with Radiokit. I personally got tired of holding hands on the telephone with entry level hams or those that could not follow a schematic.

Putting 2 sons thru college took precedence and I adjusted the business accordingly to improve profits. Sorry....but to some of us that is the American way.

I do have great respect for OHR and others that are "trying" to make a living at QRP.

I, as KM1H, operate a lot of QRP 160m THRU 10GHz and have Honor Roll cfm'd with QRP. I care about the genre otherwise I would not be here exposing myself.

All I am asking is to up the ante to some contemporary level in general. There will always be room for entry level but it should not predominate.

73.....Carl KM1H

From owner-qrp-l@Lehigh.EDU Thu Jan 23 18:01:10 1997

From: lve1@inel.gov (Larry V East)

Subject: [9650] Re: Alright Already!!

Message-ID: <2.2.16.19970123170835.4a170210@eloi>

>Amen Randy....I sent a msg to Chuck last night telling him that I would
>p..e if I saw another 38 post!

>

...

>This forum needs a balance between the extremes of cheap and technical
>excellence. Real performance costs real money in many cases.

>

And amen also, Carl! I'm sure you will get a lot flames, but I essentially agree with you concerning some of the posts on QRP-L. However...

The NC38S is a nice little learning tool and fun to play with -- particularly if one has not done much building. I'm sure that there will be a few zillion mods and enhancements, just like there were with the 49er. My point is, that such "toys" DO serve a purpose; they get folks "tinkering" that might not otherwise do so. Hopefully, they will then buy a "real" kit with better performance from one of the commercial vendors.

Enthusiasm is great, but lets not get carried away, folks! Keep those messages short and to the point -- and not many of us really care when you receive your kit and how pretty the board looks!

73, Larry W1HUE/7
w1hue@amsat.org

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: Roger Hightower <rhight@primenet.com>
Subject: [9652] Re: Alright Already!!
Message-ID: <32E7A11B.1A2D@primenet.com>

Larry V East wrote:

> And amen also, Carl! I'm sure you will get a lot flames, but I essentially
> agree with you concerning some of the posts on QRP-L. However...
>
> The NC38S is a nice little learning tool and fun to play with --
> particularly if one has not done much building. I'm sure that there will be
> a few zillion mods and enhancements, just like there were with the 49er. My
> point is, that such "toys" DO serve a purpose; they get folks "tinkering"
> that might not otherwise do so. Hopefully, they will then buy a "real" kit
> with better performance from one of the commercial vendors.
>

These little learning tools like the 40-9er and NC38S help some of us
move up out of the entry level category. I've only been a ham for 7
years, am 60 years old with very little electronics background, and have
no desire to spend my money to enroll at DeVry just to learn this
stuff. This list provides all I need in the way of knowledge and
incentive to "tinker".....I can make changes/mods to the 40-9er and
NC38S that I would never attempt with one of my OHR rigs (3), NC40A, or
Heathkits.

When I read a post on a mod or improvement to one of the "cheap" club
kits, I'll do it and not worry about screwing it up. If it ain't right
I'll undo it and try again. In the process I will have learned
something. I'll never be an EE, but I can be a better ham down the
road.

If I don't want to read about who received or did not receive their kit,
QRPP, QQ or whatever, my delete key works fine.

--

72/73 de Roger N7KT Mesa, AZ Grid DM43cj
NorCal 40-9er, NC-40A, OHR Explorer 20, 30M, OHR400, HW-8, HW-9 and more
to come.

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: Bob Patten <n4bp@shadow.net>
Subject: [9628] Re: Best Keyer for Contests?
Message-ID: <Pine.SOL.3.91.970123041314.23146A-100000@hyper>

On Thu, 23 Jan 1997, Dave Fifield wrote:

> I'm in the market for a high quality memory keyer for contest work.
> If you have a particular favorite keyer you use for contest work or
> have thoughts on the pros and cons of the various models available
> I'd be glad to hear from you. I'd like to make an informed buy.
>

I use the software keyer built into NA. It costs about \$50 and, as a bonus, you get a complete contest logging program :-)
It does require a simple interface to an RS-232 or printer port. Paddle input and keyed line output are both to/from the same port.

73,

Bob Patten, N4BP
Plantation, FL
n4bp@shadow.net

From owner-qrp-l@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: NilsBull@aol.com
Subject: [9595] Re: Content & Enjoyment
Message-ID: <970122202656_1110694242@emout03.mail.aol.com>

At the end of an obviously determined opinion, Jim Bennett said " It is a shame that about 1,000 people have ordered an inexpensive kit, look forward to assembling it, and getting it on the air - only to get flamed for doing so. I certainly lost a lot of ambition to continue with this project after reading today's mail.

To which I say:

Don't desub, Jim.

Personally, I'm nuts. When I get an idea about something, I usually put it in the box with the other stuff. Then, just before I do an AOL (yipes!) flashmail (oooooh) session, I look over the tripe that I've written and delete

a handful of it myself. The rest of the stuff? You got it: on the list.

I've gotten bummed about some of the nasty responses I get, but then I figure at least someone's reading them. The best part, though, is notice how much people are lightening up about this stuff. Magic badger ointment, cheese otters, hand-selected Peruvian mango lizards, stuff like that. Hallucinalia. It takes the damn sharp edges off this techno-whizbang goofiness. Then what don't like that, they can delete. And the delete key is probably just as strong a key as any of the other 101 buttons on a keyboard. If someone's wearing theirs out, they've got a damn ham-fisted (as in meaty slab of bone and sinew on the end of their arm with scant neurons betwixt skull and enervated muskel [don'tcha just love medical terminology?]) attitude toward the communication tool that they're pounding. Bet they don't feel that way when they get long winded on 75m. Even at 5 watts. CW. Which'd be 80 meters, ne?

Stay with us. We're nuts. The rest of 'em's a little sane. But they get over it.

73
Nils
WB8IJN +c

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: "Ed Manuel" <n5em-qrp@msn.com>
Subject: [9643] RE: Energizer AA Lithium cells
Message-ID: <UPMAIL06.199701231612420851@msn.com>

Gang,

I was interested by the results of Doug's experience with AA Lithiums. I want to use a 9v Lithium in my '38S and am worried about regulator dropout. So, I just called the Ultralife people and have technical data coming. More when it arrives.

Next question. Isn't there a low dropout regulator one could use in place of the 7808M?

Anyone else packaging Lithiums in theirs? Is anyone using 2 six volt lithium camera batteries instead to get up to 12? At \$6-7 the 9 v. sure seems effective. Of course, I am not trying to run the big 5 watt final in this puppy!

Smaller, lighter, better, etc.

Ed, N5EM
Houston, Tx

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: Ed Tanton <n4xy@avana.net>
Subject: [9656] RE: Energizer AA Lithium cells
Message-ID: <3.0.32.19970123130741.009488c0@tiger.avana.net>

Hi Ed et al... I have been extremely pleased with the Energizer Lithium AA cell performance-but not the 9V cells. The AAs have a whole lot more total current capacity (OK: and size and weight to get to 9V) but they really hang in there. I have a Nikon 4-S camera and an SB-25 flash with the Nikon flash bracket (I forget the #.) The '4-S model takes (I think) 8 AA cells total, the SB-25 another 4, and the flash bracket another 4 (it halves the recycle time of the average flash photo) for a total of 16. I have shot over 100 rolls in the past year or so with perhaps 25 of them extended range flash pictures (I shoot a lot of sports stuff of my youngest son [basketball & baseball.]) I can shoot anywhere on a basketball court from a 20' high sideline balcony and anywhere in the infield of a baseball field at night/etc.

Point is that such flashes-and the motor drive-use lot of juice... but I am only in my third 'set' in 3 years! (And ONE of those I changed 'anyway' to be 'safe' on a trip!) That's a lot of power! So, even though they are certainly not cheap, they REALLY have a lot of oomph for your buck-and weigh considerably less than their equivalent alky cell to boot! With the typical Lithium shelf life seeming to apply, I keep a change of them in a bag with me whenever I shoot-and can feel comfortable knowing they'll be there when I need them. Ought to well-apply to backpacking radio principles.
72/73

Ed Tanton N4XY EMAIL: n4xy@avana.net TEL: (770)579-3933 V/MBX/FAX
189 Pioneer Trail
Marietta, GA 30068-3466

QRP-ARCI#7663 G-QRP#6779 OK-QRP#172 QRP-L#758 AdvRC#140
NORCAL#1779 NCDXF SEDXC

Life Member: ARRL AMSAT IDRA INDEXA QCWA
URL: Coming Sooner or Later

"Think you can, think you can't: either way you're right!" Henry Ford

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997

From: "Paul R. Valko" <prvalko@Oakland.edu>
Subject: [9609] Re: Flagging ham #'s? What YOU can do about it.
Message-ID: <Pine.OSF.3.95.970122231242.26929A-100000@vela.acs.oakland.edu>

On 22 Jan 1997, Glen Leinweber wrote:

> I was impressed with Paul Valko's portable setup last year,
> when he attracted a group of kids (was it take-it-to-the-field?). He
> had a ball, and perhaps started the ball rolling with one of those
> kids.

Gee Thanks Glen! You know, just this afternoon I was glancing at some of the photos from that event.

I have always loved taking ham radio to the public. Unfortunately I only can do it a couple times a year. The Summer Camp program is one of those instances and another is an annual day at the Library. It is HUGE fun.

One of the other problems is that whenever I DO see a public demo, they seem to be really put together poorly. No offense folks, but the stained T-shirts straining over potbellies don't give a real professional look to any event. Wear some clothes that fit and look good, and fer cryin' out loud, turn the table around so the crowd is over your shoulder and can SEE the front panel - not the PL-259 and heatsink. Call the ARRL and they will load you up with handouts and other info.

It is up to us to try and time it so that perhaps your local club has a NOVICE/TECH class starting SOON after the demo. One of my goofy clubs had a demo in April and a class in September - sheeze. It seemed kinda dumb to have people say, "That looks interesting, do you have a class?" Only to hear, "SURE! Come see us in five months!"

73! =paul= W8KC

ObQRP: Just finished FSFD for Michigan, see my next post for the story!

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: Ken Lopez <kjllopez@earthlink.net>
Subject: [9599] Re: Fly-tieing vises hold PCB - great!
Message-ID: <32E5A9A6.7C0E@earthlink.net>

j.w. thornton wrote:

>

> At 08:54 AM 1/20/97 -0800, you wrote:
> >On Mon, 20 Jan 1997, Ken Lopez wrote:
> >
> >> OK, How many OTHER fly tying QRP'rs are lurking out there?
>
> Probably not of general interest to the group, but if everybody replied to
> Ken directly, nobody cept he will know. Count me as a novice flytyer, with
> too many other irons in the fire to do much with it. "72"
>
> J. W. (Dub) Thornton WA5YFY
> Minco, Ok.

So far I have had 15 fly fishermen and women reply. There must be something to this...

73, Ken, N6TZV

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: GREGOIRE@endor.com
Subject: [9639] Re: Fly-tieing vises hold PCB - great!

Hello Ken,& Gang,

Yes Ken it does indeed mean something.

Folks here like to do things with enthusiasms
and not always the easy way either.

Let me explain, it might just shed some light
on our group for the new comer.

There was a han gun, reloading do it yourself,
fly fishing thread that ran here.
It seemed to me that the same folks who do QRP/building/etc.
are very likely to be involved in other do it yourself hobbies.

I believe these same fine folks will go to any length
to help a new comer and exemplify the best in Ham Radio.
I have seen it here many times.

I see not only enthusiasms but genuine love of fellow man here.
Most folks here are givers, and for the right reason too.
They expect recipients of their generosity to just pass it on.
That is the very best kind of thank you there is.

Zest for life and all things good is the theme here at the QRP-L. Some folks haven't caught on to it yet, that's all. It is much easier to be negative and tear something down. Creative people are positive and give encouragement.

>From time to time we "All", have a day when we wish that we were not quite as quick on the trigger as we were on the draw. Foot shooting is painful to the shooter because he becomes the shootee.;-)

I Won't condemn someone for being human.

We do have our colorful characters here, that's for sure, and that is what makes this list so interesting and enjoyable.

de AA1IK,
Ernie Gregoire

Lead by example.

It is better to pull a string,
than to push it.

R.R. 1, Box 221,
South Rd.
Canaan, NH. 03741

Fists # 2644, N.E.QRP # 202
QRP-L # 95, Fly fisher & tier,
Promise Keeper.

E-mail address: gregoire@endor.com

packet address: AA1IK@W1WOK.FN43FE.NH.USA.NA

01/23/97 09:29:20

From owner-qrp-l@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: "David D. Meacham" <ddm@datatamers.com>
Subject: [9662] Re: FSFD discrimination
Message-ID: <Pine.LNX.3.91.970123105910.10937D-100000@dt1.datatamers.com>

Jeff,
I share your frustration in being unable to hear FSFD stations. I think it's just solar events that are killing us.
72, Dave, W6EMD

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: "Laura" <sputnik@imt.net>
Subject: [9640] Re: FSFD Montana / Special Note
Message-ID: <199701231545.IAA18757@cu.imt.net>

I was asked "...What happened to 80?" regarding my FSFD schedule.

Well, I'm not really set up for 80 M. I don't have my G5RV up yet. I can sometimes tune my Gap on 80M, but not with very good results, so I decided to concentrate my efforts where you all had the best chance of getting me. If many more want to try on 80M, please email me directly and I will post that additional band on the schedule before Friday.

73 de KJ7UN, Laura

Laura Marino Lubner - Reese Creek Montana USA
sputnik@imt.net <http://www.imt.net/~sputnik>
GHRC / ARRL / 10-10 #68896 / FISTS #2785 / MARC / QRP-L # 790

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: Scott Bauer <ke3nv@erols.com>
Subject: [9683] Re: FSFD Montana / Special Note
Message-ID: <199701232350.SAA24685@mx04.erols.com>

Laura,

Thanks for the posting of your skeds. I hate to tell you this, but Fists CW club runs a net on 14.058 at 2000z. Saturdays and Sundays. It is very hard to change frequency in that part of the band cuz the county hunter net is on one side of 058 and the QRP calling freq is 14.060. There are many, many Fists members lurking on that freq on the weekends. The trouble is that You might not be heard by lots of the club members and get walked on.

The good news is that I run the Sunday net that starts at 2000Z. If I hear you operating, I will in no way interfere with your work. In fact, I will try for that long awaited QSO from you :-)

I am posting this to the reflector, just to let everyone know that 3.558, 7.058, 10.118, 14.058, 21.058, and 28.058

are calling frequencies that Fists CW Club uses. There is a lot of club activity around these spots. I have never met a rude member in this club, and I know that If anyone were to hear you operating on these frequencies that you would not get any type of intentional QRM, but it could be big trouble if you were not heard as Fists are known rag chewers :-)

I would not recomend this freq for FSFD or FOX activities because of the amount of activity that is already there.

No flame intended at all, just offering some advise.

At 10:41 AM 1/22/97 -0700, you wrote:

>Hi there!

>

>As Jim posted earlier, here's my schedule for Montana on Sunday:

>

>Jan. 26 Sunday MONTANA - KJ7UN, Laura

>1600-1700 UTC 7.045 (40M)

>1700-1800 UTC 10.110 (30M)

>1800-1900 UTC 28.116 (10M)

>1900-2000 UTC 21.121 (15M)

>2000-2100 UTC 14.058 (20M)

> - If while trying 10M and 15M the bands aren't cooperating, I will be on
>20M instead of the 10M schedule and 40M instead of the 15M schedule at the
>freqs listed for 20 & 40 above.

>

>*Special Note: I will go longer than 2100z if needed, right up until kick
>off time!

>

>Go-Pack-Go!

>

>73 de KJ7UN, Laura

>

>Laura Marino Lubner - Reese Creek Montana USA

>sputnik@imt.net <http://www.imt.net/~sputnik>

>GHRC / ARRL / 10-10 #68896 / FISTS #2785 / MARC / QRP-L # 790 "There's a
>smell of cheese, beer, brats and sweat in the air - it must
>be the Green Bay Packers and we're in the Superbowl!!"

>

>

>

>

72&73 de Scott Bauer W3CV, Odenton, MD. grid FM19. Formerly KE3NV

Fists 1502 QRP Nut SWL Truck Pilot ARRL

Current QRP rigs: Green MTN 15 & 17, HW-8, G-QRP GQ-40

S&S Eng ARK-20, ARK-30, ARK-40, TAC1-80, all Sensational rigs.

38 special at 300mw

From owner-qrp-l@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: "David D. Meacham" <ddm@datatamers.com>
Subject: [9589] Re: FSFD-A Plea
Message-ID: <Pine.LNX.3.91.970122165954.3776C-100000@dt1.datatamers.com>

Bob,
7.037-7.039 is really bad here near SF, too. Except for occasional SSB,
7.042-7.045 is pretty clear most of the time.
72, Dave, W6EMD

From owner-qrp-l@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: Jim Eshleman <lujce@hooch.cc.Lehigh.EDU>
Subject: [9670] Re: Info on QRP dealers?
Message-ID: <97Jan23.144954-0500_est.10423-16392+6@hooch.cc.Lehigh.EDU>

Mike & Gang,

Danny Gingell, K3TKS, has compiled a list available via the list server:

GET QRP-L/MISC KIT.SUPPLIERS

or via anonymous FTP/WWW:

<ftp://ftp.lehigh.edu/pub/listserv/qrp-l/misc/kit.suppliers>

It's a bit old...maybe if we send updates to Danny he'll update it?...

73
Jim N3VXI

From owner-qrp-l@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: Mike Czuhajewski <wa8mcq@u1.abs.net>
Subject: [9672] Re: Info on QRP dealers?
Message-ID: <Pine.BSI.3.93.970123150128.19096G-100000@u1.abs.net>

Yes, I know the K3TKS list of QRP vendors has whiskers and is starting to turn gray at the temples! I already talked to him a few weeks back about updating it, and he's considering it.

73 and Queue Our Pea DE WA8MCQ

wa8mcq@abs.net

From owner-qrp-l@Lehigh.EDU Thu Jan 23 18:01:10 1997

From: Bob Hightower <ki7mn@dancris.com>

Subject: [9674] Re: Info on QRP dealers?

Message-ID: <199701232032.NAA03593@dancris.com>

At 02:34 PM 1/23/97 -0500, you wrote:

>In a recent posting, I mentioned several QRP kit dealers. I got a reply
>from Bill Henley, N6RHF, who said he's trying to get into kit building and
>wanted phone numbers of some of the companies. Does anyone have a list of
>the various QRP kit companies that they could post to qrp-l?

Wouldn't be a bad
>idea at all to have such a list posted every couple of months, as a
>service to the newcomers.
>

There is such a list on several of the qrp web pages, mine included. If you
(or he) doesn't have web access, let me know and I'll try to compile
something. I think I also saw something in the qrp-l archives.

73,

Bob, KI7MN Chandler, AZ ScQRPion QRP-L #271, NorCal #1228, CQC #274, QRP
ARCI #8918, AK QRP #30, not in any order of importance.

<http://www.dancris.com/~ki7mn>

From owner-qrp-l@Lehigh.EDU Thu Jan 23 18:01:10 1997

From: launerb@crl.com (William H. Launer)

Subject: [9603] Re: Is Ham Radio Dying?/Enough Already!

Message-ID: <v01530500af0c8cd7d138@[192.0.2.1]>

I'll preface my remarks by saying I've been an electrical engineer since
1957, and a ham since 1970. I started with cb, got disillusioned with it,
and got a novice (low-code?) ticket. I now have an advanced license.

"Is ham radio dying?" I think not, considering the active participants
(and the silent readers) of this list, the Glowbugs list, and the
Boatanchors list (and other related lists). While the thrust of each
list is different, the real aim is the same: to learn, and to enjoy the
both the technical expertise and camaraderie that hams have always had.
Many complain about the "no-coders" and "techs". I may be naive, but

I think most have a real interest in some aspect of ham radio, otherwise they wouldn't have taken that first step, and taken (and passed) a test. It's up to us to introduce them to (and pique their interest in) other aspects of ham radio. We have to convince them that ham radio is more than a \$100 do, communicate with much less expensive rigs. In all honesty, how many hams need (and use) the "bells and whistles" that the latest crop of commercial transceivers contain? Are memories, computer control, and frequency readout to 1 Hertz (how many of these readouts have accuracy traceable to a recognized standard?) really necessary to fulfill our real goal, which is to communicate? We call cq, or chase over the band looking for someone calling cq. As long as we're within the band we are authorized to use, that's all that's necessary! The average newcomer to ham radio begins with 2 meter fm - then he or she gets stuck there, because the oldtimers lead them to believe that they need to spend "kilobucks" for equipment just to begin participating in hf activity. QRP or QRO - it doesn't make any difference; it's up to us to help them get past the advertising hype, and on to enjoy the hobby.

"Enough Already!" Maybe we, in our instantaneous exuberance, post some non-technical messages, but that's human nature! They're harmless for the most part (if not, someone will correct us, and we'll apologize). Some complain that the technical discussions aren't "high tech" or "state of the art" enough. There is plenty of room for multiple technical level discussions to be on the list simultaneously. The idea of descriptive subject headers is a good one, then we can easily pick and choose what we read. We aren't all engineers, and those of us who are, know that we don't know everything, nor can we make perfect computer models of the real world. Those of us who have been hams a long time have learned a lot of practical knowledge through experience. This knowledge is what we have to offer to the less experienced list members. It isn't in the current literature, (sort of a "tribal knowledge" thing), but is necessary knowledge for the newcomers to understand why or how something works. Progress is based on previous knowledge - this isn't inborn, you have to learn to crawl before you can walk.... This we can't change, so let's get on with it, and enjoy ourselves in the process!

72/73 Bill wb0cld

Bill Launer

St. Charles, MO
launerb@crl.com
wb0cld@wb0cld.ampr.org [44.46.66.25]
qrp-l #279 qrp arco #3551
Grid Square EM48RT

From owner-qrp-l@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: Mike Czuhajewski <wa8mcq@u1.abs.net>
Subject: [9620] Re KM1H post to qrp-l
Message-ID: <Pine.BSI.3.93.970123015221.18917B-100000@u1.abs.net>

I was going through the latest daily digest and came across the posting from KM1H and typed up a reply. I then read the rest of the digest and some comments on his posting, some of which duplicate mine, but since I've already got the time invested in my reply I'll send it anyhow :-)

Regarding your recent post to qrp-l:

>I sent a msg to Chuck last night telling him that I would
>p..e if I saw another 38 post! It appears to be a beginner level toy
>loaded with problems to boot followed by a swarm of lemmings
>eager to jump off the cliff in chase of it.

Carl, here's a suggestion that might help:

Send e-mail to listserv@lehigh.edu and in the text put this statement:
unsubscribe qrp-l.

There are many mail reflectors that I have unsubscribed from, and many newsgroups I no longer read, because I don't enjoy them. If you no longer enjoy qrp-l, the solution should be obvious.

You seem to miss what I perceive to be the whole point of qrp-l, which is to have fun and enjoy QRP. Not every ham is an electrical engineer by trade. Not every ham is interested in bleeding-edge technology. I could go plunk down a couple of thousand bucks and get a replacement for my TS-430S, and have all sorts of LCD readouts, DSP, bells and whistles, all that crap...and not have a blasted bit of fun operating it.

Looks like it's time to start up the "toy radio" thread again. What's so bad about the NorCal "toy radios"? So what if the 38 Special is a

"beginner level toy"? Lots of people need those beginner level toys to get started in building, and many seasoned people find them to be a lot of fun, too. They make no pretentious claims about the design of the 38 Special, nor did they with the 40-9er. They're nice, simple rigs that many people find fun. And they get more people interested in building, experimenting, sharing experiences and learning.

My God, hams are supposed to be technical people, or at least once were, and now the vast majority can barely spell "electronics". These "lemmings", as you call them, who are falling over themselves to buy the 38 Special are at least taking the initiative to order and build a simple radio. The operative word here is BUILD. Out of the entire ham population in this country, how many do that? The answer is probably in the single digits, at best. And you condemn them for that?

With the exception of K5F0, most of these people are not rocket scientists; most probably can't program a XILINX chip to save their life or lay out a 12 layer thick film hybrid on their lunch hour (and 12 isn't that many, either). They may not be able to write DSP software directly in assembler, but at least they are making the effort to do something technical. Condemn them for that if you wish; I cannot.

>Add to that the possibility that NORCAL may possibly be credited as
>single handedly destroying the few (my God...for a profit) QRP
>companies that still exist...all in the name of cheap,cheap, cheap
>affordability for the teeming masses.

Am I missing something here? Are the 40-9er or the 38 Special really serious threats to OHR or S&S? You'll have to really work to convince me of that one! These are, after all, in the "toy radio" category and don't pose any significant danger to someone producing multi-band QRP rigs, or synthesized ones. And let's not forget the New England QRP Clubs 40-40 project; that one was also a direct "threat" to the commercial QRP companies. Not to denigrate the 40-9er or 38 Special, but let's face it, they ARE in the "toy radio" category; they are lots of fun to use and to experiment with, but sooner or later a really serious QRPer is probably going to want a serious QRP radio. And then where do they turn? To those almost-destroyed companies, like Index Labs, OHR, S&S, MXM, etc.

Oh yeah--last time I checked, there was a commercial, for-profit company producing some of the NorCal designs after the clubs kit projects had run their course, and the same goes for the New England QRP Clubs NE4040. Single handedly destroy companies? Looks to me like they spawned some!

>This forum needs a balance between the extremes of cheap and
>technical excellence. Real performance costs real money in many
>cases. Why is there such a lack of "leading edge" tech discussions?
>Or is it that the list members are devoid of such skills as IF DSP, PC
>based radios, etc??

Devoid of such skills? I think not. But there are other forums available for those discussions. To a great many people, QRP means small, relatively simple radios, perhaps portability, most certainly FUN. Having to power up my Pentium to run my radio, which may even be plugged into the Pentium some day, with an SO-239 on the rear, does not strike me as fitting into any of those categories. Bleeding edge, yes, fun, no. If QRP gets to be too much like the high tech things I do at work, at an engineering firm, then it's not fun.

I get the daily digest since I can't possibly handle the mailbox clutter of being real-time (qrp-l is currently averaging about 75 messages per day, based on an actual count of a 30 day period starting on 8 Dec 1996). It comes with a table of contents at the top. I download it, look at it later offline with a word processing program, browse the table of contents and read those that look interesting and skip the rest. You might want to do the same.

73 and Queue Our Pea DE WA8MCQ

wa8mcq@abs.net

From owner-qrp-l@Lehigh.EDU Thu Jan 23 18:01:10 1997

From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>

Subject: [9632] Re: Ladder-Line

Message-ID: <Pine.SOL.3.94.970123065727.356A-100000@utkux4.utcc.utk.edu>

On Thu, 23 Jan 1997, Craig J. Sterling wrote:

>

> L.B. suggested bringing the ladder-line either into or as close as
> possible to the tuner/shack and attach to some type of stand-off
> terminals. At that point attach a VERY short piece of quality coax and
> attach to a Line Isolator(Radio Works or (W2DU) and then run
> QUALITY coax to your tuner(preferrably a roller inductor type tuner).

>

> The lesson learned or should I say confirmed is that internal 4:1
> baluns frequently used in tuners are not all that efficient. This also
> holds true for the remote(out the window)baluns we all see advertised.
> Rather than try to change impedance via baluns and incur losses, let

> the tuner deal with the impedance matching and use the line isolator to
> keep RF off the coax.

Let me add an addendum: this is not the absolutely most efficient system. Cecil Moore, W6RCA, uses a more efficient system, since it presents the balun with a resistive load, which is what transmission line transformers need. The system proposed here and used successfully by me and others since it appeared in CQ in Karl Thurber's column many years ago from correspondence I exchanged with him accepts the coax loss at higher SWRs and the isolator loss (total except in the most extreme instances of under 1 dB) in exchange for simplicity and space saving--along with relative freedom from line balance disturbance from "house metal" between the entry and the ATU. I recommend the best coax you can afford (9913 or equiv, RG213 at least) and as short a run as you can make it indoors--never longer than about 20 feet. Radio Works C-2 (the long skinny item) has worked well, as has a home brew choke I built to W2DU specifications.

But if you can afford the space and components and keep the line free of house metal (wiring, ducting, etc.) disturbances, I suggest you study Cecil's system of line length variation, shunt reactance compensation, and a balun to the tuner. Outside of some miniscule component losses (since everything has at least a tiny loss), the only measurable losses in this system are from the length of parallel feedline, and those are as low as you will ever achieve with any system.

Unless you have an inductively coupled tuner--in which case you can omit the balun.

The object is to eliminate all possible losses. Sometimes, our operating spaces dictate that we accept some loss, but we should give in to accepting losses only after eliminating every loss possible in our individual circumstances. If you need a reason to want to eliminate all possible losses (even knowing that you can still make QSOs with lossy ATU/feedline/antenna systems), try this: pride of accomplishment--the same pride that makes rig building, testing, and modification such a challenge, the same pride that makes us reread manuals and articles like Paul Harden's series over and over until we understand every last detail of what is happening, the same pride that produces all the wonderful "I got him" messages about the fox. We all exult in your accomplishments, whatever the phase of QRP may be involved.

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: Ken Lopez <kjlopez@earthlink.net>
Subject: [9645] Re: Ladder-Line
Message-ID: <32E7912C.7242@earthlink.net>

L. B. Cebik wrote:

>
> Unless you have an inductively coupled tuner--in which case you can omit
> the balun.

By inductively coupled, do you mean link coupled? Please explain.

Ken, N6TZV

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [9648] Re: Ladder-Line
Message-ID: <Pine.SOL.3.94.970123113906.11728A-100000@utkux4.utcc.utk.edu>

On Thu, 23 Jan 1997, Ken Lopez wrote:

> L. B. Cebik wrote:
> >
> > Unless you have an inductively coupled tuner--in which case you can omit
> > the balun.
>
> By inductively coupled, do you mean link coupled? Please explain.
> > Ken, N6TZV
>

Yes. Link coupling is inductive coupling of the link coil energy to the so-called main coil--a form of air wound transformer, but not following the iron-core formulas for primary and secondary voltage, current, and impedance ratios because the degree of coupling can be varied--sometimes by having a movable link relative to the larger stationary turns and sometimes by the use of a fixed link and a series variable capacitor on the low Z-transmitter side. Making the stationary coil tunable to resonance also affects the parameters of the coupling. Most complete ham treatment of air wound RF coupling is in George Grammar's A Course in Radio Fundamentals--long out of print, but worth while if you find a used copy. I had one, gave it away, and my father gave me his as a replacement--still refer to it. Chapter 6 of the ARRL HB touches on the subject, but editors did not want me to replicate all of the formulas, since the chapter is already one of the longest in the book. In simplified treatments, one can get the impression that the so-called main

coil is the most important, and the link is less so, but know that both are equally important to the transfer of energy efficiently. Carelessly design inductively coupled ATUs can be as lossy as carelessly designed network ATUs. Well-designed inductively coupled ATUs can be marvels of high efficiency. Some of the best designs--although physical elephants in size--come out of the 1930s. After WWII came the urge to simplify construction using Airductor, etc.

Hope this is useful.

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: "Lau, Zack, W1VT" <zlau@arrl.org>
Subject: [9669] Re: Ladder-Line
Message-ID: <m0vnV8g-0004obC@mgate.arrl.org>

The system I use to obtain the lowest possible losses is to mount the RF hardware remotely right next to the antenna.

But, I decided this wasn't feasible for mobile antennas, which are in danger of being totally trashed by trees and other obstacles.
--Zack Lau W1VT zlau@arrl.org

Yeah, it was my Saturn SL2 with nine yagis mounted on it for the VHF contest!

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: Randy Hargenrader <randyh@harksystems.com>
Subject: [9600] Re: NC38S!!!!!!!!!!!!
Message-ID: <32E6D757.FB9@harksystems.com>

Touche'
Game, Set and Match!!
I've been slam dunked.
Nils, your the best!
73, Randy WJ4P

From owner-qrp-l@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: Paul Harden <pharden@aoc.nrao.edu>
Subject: [9604] Re: NC38S!!!!!!!!!!
Message-ID: <199701230343.UAA15701@zia.aoc.nrao.edu>

Now Nils,
Just as we're trying to figure out whether "38S arrival" posts are cool or not ... you come up with a whole new category.

"Anticipating 38S Arrivals"

While I know some of the posts can get old to some ... think of it this way. If it weren't for the 40-9er, St. Louis Tuner, St. Louis Vertical, 38-Specials, etc. and the related QRP-L traffic ...

... 1996 would have been a very boring year for QRPers.

72, Paul NA5N

From owner-qrp-l@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: tayloe_d@juno.com (Daniel R Tayloe)
Subject: [9607] Re: NN1G xcvr project problem
Message-ID: <19970122.205555.7679.2.tayloe_d@juno.com>

"Salee, Joe C." <salee.ucs@smtp.usi.edu> writes:

>I constructed the NN1G single band transceiver from the
>shcematic in the 1995 ARRL handbook (p 17.79) and I have
> run in to a problem. The transmitter works fine, but the receiver
> receives on both sides of zero beat. There is less than 2 dB
>rejection of the opposite sideband when measured at the audio output.

>tnx es 73 de Joe KB9GMC / e e
>salee.ucs@smtp.usi.edu

The shape of the filter is influenced by the shunt cap to ground across each of the crystals and the input and out caps.

I have experienced the same problem you have when building my own filters. In my case, it meant that the crystals I used were cheap and had unusually low Qs. This in return produced a wide filter. I fixed this by increasing the caps by a factor of about 2x. This also increased the

filter

loss, and probably presented a suboptimum filter impedance on the input and output, but it fixed the problem.

Sometimes cheap surplus crystals are their own reward. As far as crystals are concerned, find someone local (if possible) who sells a stock of new ones (such as FOX brand crystals..... appropriate, heh?) and see if they will let you match crystals there at the store. I have yet to have a store turn such a request.

I have a homebrew counter and crystal osc that I use for just such purposes.

I try to get crystals within 20 Hz for cw filter work.

BTW: On the NN1G-ish xcvr I built, I used *4* crystals in the filter. Works great!

- Dan Tayloe, KK7BD, Phoenix, Az, QRPL # 696, Az ScQRPions

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997

From: Bob Roach <KE4QOK@worldnet.att.net>

Subject: [9623] Re: QSL Card etiquette

Message-ID: <19970123020348.AAA26418@LOCALNAME>

At 11:45 PM 1/21/97 +0000, you wrote:

>Whenever I make a QRP contact, I'm proud enough to want to share a QSL
>card.

Hi Jeff,

I QSL all contacts except local 2M stuff and I always include a SASE. I don't know about etiquette but it seems logical that if you make it as easy as possible on the other end the rate of return will be greatest.

My biggest problem is keeping up to date. Every so often I get in the mood and make a mass mailing.

>cards for those I receive. The postage is not significant for the number
>that I deal with, even the few from overseas. But I'm not on a fixed
>income.

This is a relative thing. If you figure postage there and back, the cost of envelope and cards it runs about \$0.75 a pop.

(o o)

-----o00_()_00o-----

73 es TNX

KE4QOK Real radios glow in the dark.

Bob Power is no substitute for skill.

If it stayed up last winter, it was too small.

136 Hermitage Rd.

Newport News, Va. 23606 KE4QOK@worldnet.att.net

(757)930-0348

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997

From: drowe@juno.com

Subject: [9631] Re: QSL Card etiquette

Message-ID: <19970123.071747.12087.0.drowe@juno.com>

Bob wrote:

On Thu, 23 Jan 1997 02:04:40 +0000 Bob Roach <KE4QOK@worldnet.att.net>
writes:

>At 11:45 PM 1/21/97 +0000, you wrote:

>>Whenever I make a QRP contact, I'm proud enough to want to share a

>QSL

>>card.

>

>Hi Jeff,

>

>I QSL all contacts except local 2M stuff and I always include a SASE.

>I

>don't know about etiquette but it seems logical that if you make it as

>easy

>as possible on the other end the rate of return will be greatest.

>

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>mood

>and make a mass mailing.

>

>>cards for those I receive. The postage is not significant for the

>number

>>that I deal with, even the few from overseas. But I'm not on a fixed

>>income.

>

>This is a relative thing. If you figure postage there and back, the

>cost of

>envelope and cards it runs about \$0.75 a pop.

>

> (o o)

>_____o00_()_00o_____

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> If it stayed up last winter, it was too small.

>136 Hermitage Rd.

>Newport News, Va. 23606 KE4QOK@worldnet.att.net

>(757)930-0348

>

>

>

thanks bob for being one of those faithful few these days that qsl 100% it is rarer than you think today. i've work qrp dxcc and was and the return rate (often with sase) was only around 41% not too good. How ever i do understand . being on a pretty much fixed income here it's hard to get those few extra stamps myself.. i make about 200 qso a month normally.. let's see $200 \times .32 =$ about 64 bucks i could buy two 38s for that and have enough to get a little coffee in the bargain... the answer to most people like me has to be some sort of domestic qsl service.. or a change in the rules so that there is some other method of confirmation for qso's.

I have found one qsl service the USA QSL BUREAU

E-MAIL USBURO@AOL.COM

FOR MORE INFO.. THEY CAN FORWARD ALL MY CARDS FOR .05

about 10 bux a month. the return on domestic cards through them has been about

30% but that is better than zero percent. any way how about a qrp-l qsl buro service

or something similar for qrpers'

Ham radio and qrp are the best.. and I also get great joy out of geting the cards back.. but really think it's time for another method.. to confirm our contacts
suggestions welcome..

every one have a great qrp day 73& 72 Dave Kc1di, ne 410, qrp
arci 3843

Ten Tec Scout @ 4watts most of the time.. big loop ant. at 30'

From owner-qrp-l@Lehigh.EDU Thu Jan 23 18:01:10 1997

From: Roger Hightower <rhight@primenet.com>

Subject: [9619] Re: St.Louis Vertical

Message-ID: <32E70512.5CD5@primenet.com>

Frank Brand wrote:

>
> This has probably been asked before, but does anyone know of a source
> for the South Bend SD-20 collapsible fiberglass fishing pole used as a
> basis for this antenna?
>
> Thanks and
>
> 73..... Frank W6EV

Give Cabela's a call at 1-800-237-4444 and ask for the Black Widow. Item number AH-11-0503, Order Code 020. It's 21.99 plus shipping.

--

72/73 de Roger N7KT Mesa, AZ Grid DM43cj
NorCal 40-9er, NC-40A, OHR Explorer 20, 30M, OHR400, HW-8, HW-9 and more
to come.
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: NilsBull@aol.com
Subject: [9587] Re: Sunspots missing?
Message-ID: <970122183541_203291006@emout06.mail.aol.com>

In a message dated 97-01-21 09:22:50 EST, adams@chuck.dallas.sgi.com (Chuck Adams) writes: "For the newbie to 30M. At this time of year the band typically closes just after sunset, but don't give up."

If you don't believe Chuck, then fine. I usually listen around on 30 just 'cause it proves to me that I remembered to turn on the radio. What I hear is very interesting...

Like the 10130 area with the RTTY sig that comes and goes... in the night it's strong sometimes, as if it were next door. Or the static crashes. Yeah, I know, big deal. But think of it this way: If I'm hearing static crashes -- such as one hears on 160 or 80 sometimes late at night in winter -- it means that the band is open to somewhere. And that could be Mexico or it could be Florida. Or it could be Cuba. It's a matter of posing the well-known question. QRL? QRZ? Eh?

Dey won't call you if you ain't dere, dudes and dudesses. Sometimes even the moth has to call CQ.

73

Nils

WB8IJN +c

And how come almost every Cuban station chirps and whoops? I mean, yeah, I

know, the power grid ain't perfect down there... But whoops and chirps? I can't even get something that I designed and built myself to sound that bad. Weird minds want to know...

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: "Claton Cadmus" <aplitech@Spacestar.Net>
Subject: [9635] Re: Toroid winding
Message-ID: <199701231459.IAA11384@Spacestar.Net>

Jon asked:

> Gang,
> there was an email on digest 613 from Bill Jones, KD7S, about winding
> toroids really tight and, THUS, resulting on higher inductances.
> It happens to me the same.
> May a wise guy/gal (yes, they are on the list too) explain a little
> further about this relation thightness/inductance ?

I believe this is caused by the "piezopermability effect" or "PP" for short. It can be expressed by the formula, $(\text{sqr}(\text{Ga}) * P) / K$ where Ga is the wire gauge, P is the pull on the wire in kilograms (this is a metric formula) and K is a mysterious constant that nobody can explain. It was discovered during a bout of frustration while winding the 17th toroid for a now discontinued Radiokit. Thanks Norcal!

Also, in reference to Mike's post Re:KM1H, I am a rocket scientist! I know because my wife tells all her friends I am.

Now I hope you all found a good chuckle here. Maybe we can all lighten up a bit and enjoy the list.

73 de KA0GKC Claton Cadmus
E-mail cla@spacestar.net
ARRL, QRP-ARCI, NorCal, ARCC, MNQRP Society

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: "Claton Cadmus" <aplitech@Spacestar.Net>
Subject: [9659] Re: Toroid winding
Message-ID: <199701231847.MAA22141@Spacestar.Net>

Now that I've got my "wise guy" remarks out of the way, does anybody have an explanation for Jon's observation/question?? I've never heard of this before.

> Gang,
> there was an email on digest 613 from Bill Jones, KD7S, about winding
> toroids really tight and, THUS, resulting on higher inductances.
> It happens to me the same.
> May a wise guy/gal (yes, they are on the list too) explain a little
> further about this relation thightness/inductance ?
> 72
> jon, ea2sn
> --
> Jon Iza ea2sn since 1978 qrp'er at large! <mailto:ea2sn@jet.es>

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [9651] Re: Toroid winding and QRPer masquerading as rocket scientist
Message-ID: <199701231722.LAA01321@multi13.netcomi.com>

Caught you Claton! What rocket scientist would use a mass value where a force value is implied? Where is the gravitational constant? Did the badgers eat your newtons? Now do you understand why your last satellite fell out of the sky? One more slip up like this and we'll promote you to the toroid winding production floor!

Thanks for the humor, Claton

Mike K1MG

> From: Claton Cadmus <aplitech@Spacestar.Net>
>... I believe this is caused by the "piezopermability effect" or "PP" for
> short. It can be expressed by the formula, $(\text{sqr}(\text{Ga}) * P) / K$ where Ga is the
> wire gauge, P is the pull on the wire in kilograms(this is a metric
> formula) and K is a mysterious constant that nobody can explain.
> ...
> , I am a rocket scientist! I
> know because my wife tells all her friends I am. ...
>

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: tart1@juno.com
Subject: [9653] Re: Toroid winding and QRPer masquerading as rocket scientist

Message-ID: <19970123.123612.4759.0.tart1@juno.com>

On Thu, 23 Jan 1997 09:21:08 -0800 "Michael A. Gipe"
<mgipe@reliablemeters.com> writes:

>
>Caught you Claton! What rocket scientist would use a mass value where
>a
>force value is implied? Where is the gravitational constant? Did the
>badgers eat your newtons? Now do you understand why your last
>satellite
>fell out of the sky? One more slip up like this and we'll promote you
>to
>the toroid winding production floor!

>
>Thanks for the humor, Claton

>
>Mike K1MG

>
>-----
>> From: Claton Cadmus <aplitech@Spacestar.Net>
>>... I believe this is caused by the "piezopermability effect" or
>"PP" for
>> short. It can be expressed by the formula, $(\text{sqr}(\text{Ga}) * P) / K$ where Ga
>is the
>> wire gauge, P is the pull on the wire in kilograms(this is a metric
>> formula) and K is a mysterious constant that nobody can explain.
>> ...
>> , I am a rocket scientist! I
>> know because my wife tells all her friends I am. ...

>>
>
>
>

Now for the benefit of all...should they be loose
or just firm... I have taken some apart and they were fairely secure. not
really tight..

>>Regards
AC4GT

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [9655] Re: Toroid winding and QRPer masquerading as rocket scientist
Message-ID: <199701231756.LAA02887@multi13.netcomi.com>

Should be firm, but not too tight. It should take a little effort to bend

the wire around the edges of the core, but avoid really sharp-angled bends in the wire. The wire should not slide around on the core, but you should be able to shift a winding slightly. One way to achieve this is to wind the coil only 2/3 of the way around the core, then spread the windings apart to cover 80% of the core. This tightens up any loose wraps. Leave a small gap between the ends of the winding to minimize stray capacitance effects. All of this assumes sparse-wound single layer coils, which is what you will most likely be using in HF radio equipment.

There's no need to be obsessive. Toroids are pretty forgiving. Remember that the normal manufacturing variation in the core material will probably cause more inductance variation than any winding problems.

Mike K1MG

> >
> Now for the benefit of all...should they be loose
> or just firm... I have taken some apart and they were fairely secure. not
> really tight..
> >>Regards
> AC4GT

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: d.nordquest@juno.com
Subject: [9660] Re: Toroid winding and QRPer masquerading as rocket scientist
Message-ID: <19970123.134740.4447.0.d.nordquest@juno.com>

I was going to suggest that when winding on ferrite cores, one should avoid winding too tight because some cores are conductive and may have edges sharp enough to nick the insulation and cause a short. However, a quick check with my DVM shows no continuity from one side to another of three or four different ferrite cores and beads I had on hand. However, I remember reading that warning somewhere.

Dave

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: Ed Tanton <n4xy@avana.net>
Subject: [9658] Re: Toroids - lock 'em down: YES
Message-ID: <3.0.32.19970123132438.0096fd60@tiger.avana.net>

Hi Jim... by all means should they be secured... just so you wait until you are completely satisfied with their inductance. I use non-corrosive RTV (the "Electronic Grade" blue stuff you can NOW get at most auto parts

stores from Permatex) and coat 'em pretty well where they approach the pc board (on both sides.) If you just HAD to move one the stuff will scrape away eventually... but they don't move much!!!
72/73

Ed Tanton N4XY EMAIL: n4xy@avana.net TEL: (770)579-3933 V/MBX/FAX
189 Pioneer Trail
Marietta, GA 30068-3466

QRP-ARCI#7663 G-QRP#6779 OK-QRP#172 QRP-L#758 AdvRC#140
NORCAL#1779 NCDXF SEDXC

Life Member: ARRL AMSAT IDRA INDEXA QCWA
URL: Coming Sooner or Later

"Think you can, think you can't: either way you're right!" Henry Ford

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: "David D. Meacham" <ddm@datatamers.com>
Subject: [9665] Re: Toroids - locking down?
Message-ID: <Pine.LNX.3.91.970123112127.10937F-100000@dt1.datatamers.com>

Jim,
I use Q-Dope.
72, Dave, W6EMD

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: "M. Monninger" <markem@primenet.com>
Subject: [9598] Re: Web Magic!!
Message-ID: <3.0.1.32.19970122201018.00931100@mailhost.primenet.com>

At 11:05 PM 1/22/97 GMT, Chuck Adams wrote:

>I have 200 photos to go..... This will give you
>something to wet your appetite. :-)
>

My wife caught me looking at radio pictures (boatanchors) on the web a while back. Cracked her up. I mean, from what you read in the papers about the "info superhighway" it's mostly a bunch of guys looking at porno pictures on the web. And here's a bunch of guys surfing the web and looking at pictures of RADIOS!!

I dunno quite what to make of it but it is kinda humorous...

73... Mark AA7TA

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: "William R. Colbert" <v31xe@dzdn.com>
Subject: [9590] re:wile e. pettibone
Message-ID: <32E6D6EC.1FD0@dzdn.com>

Well, I guess Tim's signal went every direction except south - no hint of the fox in El Paso, just 40 miles south of the City of Crosses. I did hear a couple of fellows work the fox, so I know he was out there. I even heard someone work K5F0?. Had a nice qso with Doc, K0evz, after the hunt. Nice to finally work you Doc!!.

--

72/73, Ray Colbert, W5XE, SOWP 1064M
(also af852@rgfn.epcc.edu)
El Paso, Texas

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: faunt@netcom.com (Doug Faunt N6TQS +1-510-655-8604)
Subject: [9642] Re: [9543] Re: Trolling for Ideas--SWR/Power meter
Message-ID: <199701231601.IAA15947@netcom15.netcom.com>

Since the neat tri-color (or colour) LED bar @ \$4.02 seems to be only available from Newark which has a \$25. minimum order, does someone want to put together a mini-group purchase? I'd like two, and don't need anything else from Newark.

Oh, for the days when I could just call them up from work and get one or two for good will; there is a down side to being retired.

73, doug

Date: Wed, 22 Jan 1997 09:57:23 -0600
From: "Claton Cadmus" <aplitech@Spacestar.Net>

Take a look at the Feb. '97 QST article "A pocket-Size Direct-Reading VHF SWR Meter". Use a different bridge circuit for HF. This circuit uses the

Ooooh, now that I wrote this up I like this idea, I think it might find it's way into my 38S!

From owner-qrp-1@Lehigh.EDU Thu Jan 23 18:01:10 1997
From: "Claton Cadmus" <aplitech@Spacestar.Net>
Subject: [9646] Re: [9543] Re: Trolling for Ideas--SWR/Power meter
Message-ID: <199701231646.KAA16641@Spacestar.Net>

> Since the neat tri-color (or colour) LED bar @ \$4.02 seems to be only
> available from Newark which has a \$25. minimum order, does someone
> want to put together a mini-group purchase? I'd like two, and don't
> need anything else from Newark.

Why not buy individual rectangle LED's from Mouser, no min. order.
These look good for the purpose:
351-6212 Red .29ea
351-6213 Grn .32ea
351-6214 Yel .34ea

Little piece of Radio Shack experiment's board, bit o' solder and you are
done.

Looks like it might come out a bit smaller too.

73 de KA0GKC Claton Cadmus
E-mail cla@spacestar.net
TCP/IP ka0gkc@ka0gkc.ampr.org
ARRL, QRP-ARCI, NorCal, ARCC, MNQRP Society